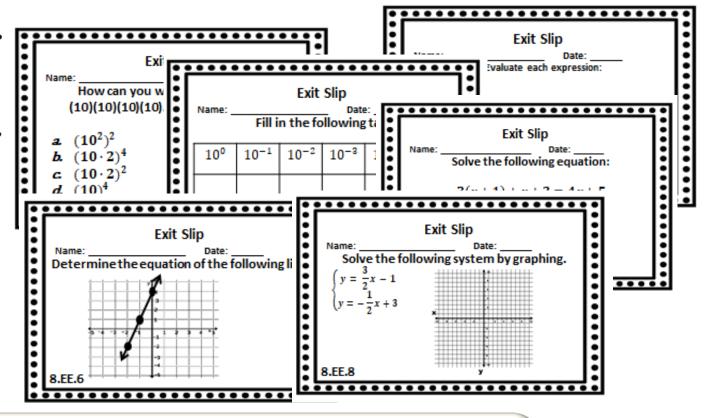
8th Grade Math CCSS Exit Slips Expressions & Equations



8.EE.1 8.EE.2

8.EE.3

8.EE.4

8.EE.5

8.EE.6

8.EE.7

70 Exit Slips/Exit Tickets
10 Questions Per Standard



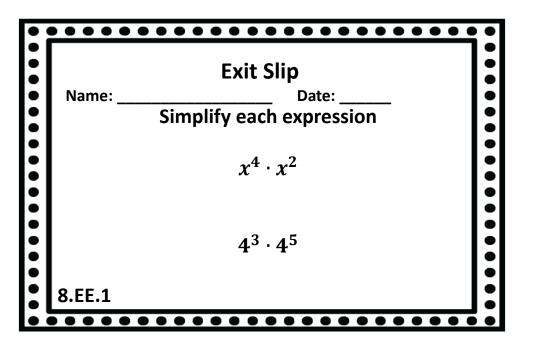
By: Math in the Midwest

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	Exit Slip	
•	Name: Date:	
	Write each product as a power	
• •	$2\cdot 2\cdot 2\cdot 2\cdot 2$	• • •
•••••••	$x \cdot x \cdot x$	• • •
•	8.EE.1	•
•		

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		Exit Slip	•
	Name: _	Date:	•
•		Write each product as a power	•
		$2\cdot 2\cdot 2\cdot 2\cdot 2$	•
•			•
•		$x \cdot x \cdot x$	•
•	8.EE.1		•

 •	• • •	•••••	
		Exit Slip	
	Name:	Date:	
•		Write each product as a power	•
		$2\cdot 2\cdot 2\cdot 2\cdot 2$	•
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•		$x \cdot x \cdot x$	•
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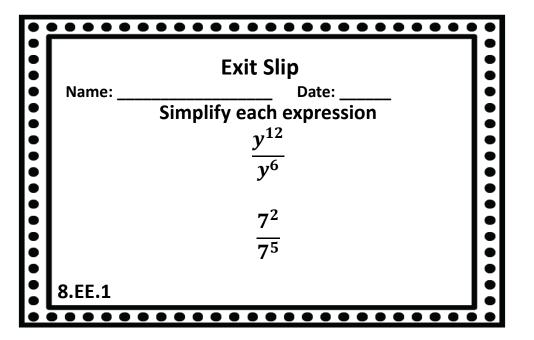
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•		Exit Slip	
•	Name:	Date:	•
•		Write each product as a power	
•		$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$	
•			:
		$x \cdot x \cdot x$	
•	0 55 4		•
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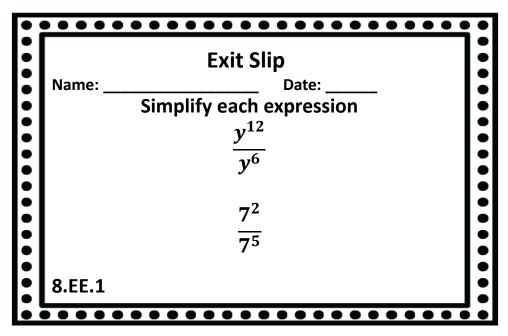


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•		Exit Slip	•
	Name:	Date:	;
•		Simplify each expression	•
			:
•		$x^4 \cdot x^2$	l:
•			•
•			l:
•		$4^3 \cdot 4^5$	•
•			1:
•	8.EE.1		•
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		Exit Slip	1:
	Name:	Date:	1.
•		Simplify each expression	•
		$x^4 \cdot x^2$	
		$\mathbf{4^3 \cdot 4^5}$	
•	8.EE.1		•
		•••••	<u>.:</u>

it Slip
Date:
ach expression
$^4 \cdot x^2$
³ · 4 ⁵
•





	• • • •		
		Exit Slip	
	Name:	Date:	
•		Simplify each expression	•
		v^{12}	
•		$\frac{y^6}{y^6}$	•
		y	
•		7^2	•
		<u> </u>	
•		7 ⁵	•
	0 55 4		
	8.EE.1		•
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• • • •	Exit Slip	~:
Name:	Date:	
	Simplify each expression	
	$\underline{y^{12}}$	
	$\overline{y^6}$	
	7^2	
	$\frac{7}{7^5}$	
	·	
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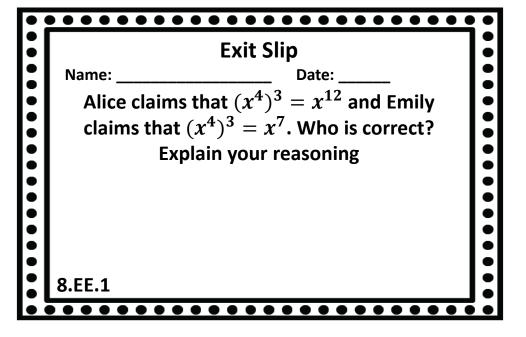
Exit Slip

Name: Date:
Alice claims that $(x^4)^3 = x^{12}$ and Emily claims that $(x^4)^3 = x^7$. Who is correct?

Explain your reasoning

•		
•	Exit Slip	•
•	Name: Date:	•
	Alice claims that $(x^4)^3 = x^{12}$ and Emily	
•	claims that $(x^4)^3 = x^7$. Who is correct?	•
•	Explain your reasoning	•
:		
:		•
•		•
•	8.EE.1	

•		•
	Exit Slip	
	Name: Date:	
•	Alice claims that $(x^4)^3 = x^{12}$ and Emily	
	claims that $(x^4)^3 = x^7$. Who is correct?	
 •	Explain your reasoning	
•		•
	8.EE.1	
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Exit Slip

Name: _____ Date: ____

Rewrite each sequence using the definition of powers.

\[\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16 \]

8.EE.1

• • • • • • • • • • • • • • • • • • • •	
Exit Slip	
Name: Date:	- 17
Rewrite each sequence using the definitio	n 📗
of powers.	
of powers. $\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16$	
8.EE.1	
• • • • • • • • • • • • • • • • • • • •	

Name:	Exit Slip Date:
	of powers.
$\frac{1}{1}$	$\frac{1}{6}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16$
8.EE.1	

	Exit Slip
Name:	Date:
Rewrite 6	each sequence using the definition of powers.
	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 4, 8, 16
8.EE.1	

Exit Slip

Name: _____ Date: ____

Rewrite the power so the exponent is positive

a. 4^{-5} b. y^{-2} c. 8^{-1} 8.EE.1

•		
•	Exit Slip	
•	Name: Date:	
•	Rewrite the power so the exponent is	•
•	positive	9
•	a. 4 ⁻⁵	
	$b. y^{-2}$	
•	<i>c.</i> 8 ⁻¹ 8.EE.1	
• •		

	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
	Rewrite the power so the exponent is positive	•
	<i>a.</i> 4 ⁻⁵	•
	$b. y^{-2}$	•
	<i>c.</i> 8 ^{−1} 8.EE.1	
	8.EE.1	•
•	••••••	•

		••
3	Exit Slip	:
Name:	Date:	
Name: Rewrite t	he power so the exponent is	
	positive	
a. 4^{-5}		
$b. y^{-2}$		
c. 8 ⁻¹		
8.EE.1]:
• • • • • • •		.

•	• • • • • • • • • • • • • • • • • • • •	•
•	Exit Slip	•
	Name: Date:	
	Simplify the following expression:	•
	$(\mathbf{5^4\cdot 5^2})^3$	•
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	•
:		•
		•
	8.EE.1	
• 7		

	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	•
	Name: Date:	
•	Simplify the following expression:	•
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	•
•	5-3 . 56	•
		•
•	8.EE.1	•

:[Exit Slip	7:
:1	Name: Date:	
	Simplify the following expression:	
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	
:	$5^{-3}\cdot 5^6$	
	8.EE.1	

Exit Slip

Name: ______ Date: ____

How can you write the expression (10)(10)(10)(10). Select all that apply.

a. $(10^2)^2$ b. $(10 \cdot 2)^4$ c. $(10 \cdot 2)^2$ d. $(10)^4$ 8.EE.1

	Exit Slip	
	Name: Date:	
•	How can you write the expression	•
•	(10)(10)(10)(10). Select all that apply.	
•		•
:	a. $(10^2)^2$	
•	$b. (10.2)^4$	•
•	$c. (10 \cdot 2)^2$	
•	$d. (10)^4$	•
3	8.EE.1	
•	O.LL.1	

	••••••	•
	Exit Slip	•
	Name: Date:	
•	How can you write the expression	•
	(10)(10)(10)(10). Select all that apply.	•
	a. $(10^2)^2$	
	$b. (10 \cdot 2)^4$	•
	$c. (10 \cdot 2)^2$	•
	$d. (10)^4$	
	8.EE.1	
	• • • • • • • • • • • • • • • • • • • •	

	Exit Slip
Name:	Date:
How can y	ou write the expression
(10)(10)(10)	(10). Select all that apply.
- (10 ²) ²	
$a. (10^2)^2$	
$b. (10 \cdot 2)^4$	
c. $(10 \cdot 2)^2$	
$d. (10)^4$	
8.EE.1	

Exit Slip

Name: _____ Date: ____
Simplify each expression using the properties of powers.

1. $2a^5 \cdot 4a^6$ 2. $(10bc^4)^3$ 8.EE.1

	Exit Slip	
Na	Date: Simplify each expression using the	
1.	properties of powers. $2a^5 \cdot 4a^6$	•
2.	$(10bc^4)^3$	
8.1	EE.1	

	Exit Slip	
	Name: Date:	•
••••••	Simplify each expression using the properties of powers.	:
•	1. $2a^5 \cdot 4a^6$	•
• • •	2. $(10bc^4)^3$	
•		
	8.EE.1	•
	8.EE.1	

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h expression using the	
rties of powers.	
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	Date:

Exit Slip Name: _____ Date: ____ Use the term base, power, or exponent to complete each sentence. 1. The _____ of a power is the number of times that the factor is repeatedly multiplied. 2. The _____ of a power is the repeated factor in a power. 3. An expression used to represent a factor as repeated multiplication is called a _____. 8.EE.1

	Exit Slip
Nam	ne: Date:
	Use the term base, power, or exponent to
	complete each sentence.
1.	The of a power is the number of
	times that the factor is repeatedly multiplied.
2.	The of a power is the repeated factor in a power.
3.	An expression used to represent a factor as
8.E	repeated multiplication is called a

		Exit Slip		
	Name:	Date:		
•	Use the term base, power, or exponent to			
		complete each sentence.		
•	1.	The of a power is the number of		
•		times that the factor is repeatedly multiplied.		
•	2.	The of a power is the repeated		
•		factor in a power.		
•	3.	An expression used to represent a factor as		
	8.EE.1	repeated multiplication is called a		

	Exit Slip
Nam	e: Date:
	Use the term base, power, or exponent to
	complete each sentence.
1.	The of a power is the number of
	times that the factor is repeatedly
	multiplied.
2.	The of a power is the repeated
	factor in a power.
3.	An expression used to represent a factor as
	1repeated multiplication is called a

Name: _____ Date: _____
Evaluate each expression:

- 1. $\sqrt{34+2}$
- 2. $\sqrt{121} + 4$
- 3. $\sqrt{25} + \sqrt{81}$
- 8.EE.2

Exit Slip

••••••

Name: _____ Date: _____
Evaluate each expression:

- 1. $\sqrt{34+2}$
- 2. $\sqrt{121} + 4$
- 3. $\sqrt{25} + \sqrt{81}$

8.EE.2

••••••

Name: _____ Date: _____
Evaluate each expression:

- 1. $\sqrt{34+2}$
- 2. $\sqrt{121} + 4$
- 3. $\sqrt{25} + \sqrt{81}$

8.EE.2

Exit Slip		
Name:	Date:	
Evalu	ate each expression:	
1. $\sqrt{34+2}$		
2. $\sqrt{121} + 4$		
3. $\sqrt{25} + \sqrt{81}$		
8.EE.2		

••••••

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$

2.
$$b^2 = 100$$

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$

2.
$$b^2 = 100$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$

2.
$$b^2 = 100$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$

2.
$$b^2 = 100$$

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$

2.
$$h^2 = 80$$

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$

2.
$$h^2 = 80$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$

2.
$$h^2 = 80$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$

2.
$$h^2 = 80$$

Exit Slip

Name: _____ Date: ____
Evaluate each expression:

1. $\sqrt[3]{125}$ 2. $\sqrt[3]{27} + \sqrt{9}$

• • • • • • • • • • • • • • • • • • • •	•
Exit Slip	
Name: Date:	•
Evaluate each expression:	•
1. $\sqrt[3]{125}$	•
2. $\sqrt[3]{27} + \sqrt{9}$	•
	•
	•
9 55 2	•
0.EE.2	•
	Name: Date: Evaluate each expression: 1. $\sqrt[3]{125}$

•		•••••	•
	Exit Slip		
	Name: Date:		
•	Evaluate each expression:		
	1. $\sqrt[3]{125}$		
	2. $\sqrt[3]{27} + \sqrt{9}$		
			•
	8.EE.2		• • •
	• • • • • • • • • • • • • • •	•••••	•

Exit Slip
Date:
luate each expression:

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$

$$2. \quad x^3 = 164$$

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$

2.
$$x^3 = 164$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$

2.
$$x^3 = 164$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$

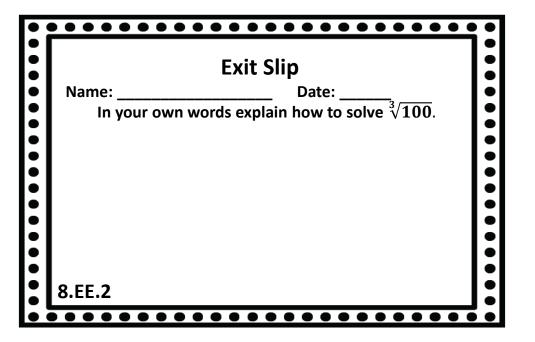
2.
$$x^3 = 164$$

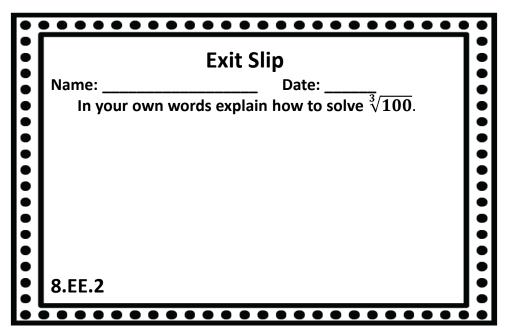
Exit Slip Name: _____ Date: ____ In your own words, write a definition for an irrational number. Be sure to include examples to help support your definition. 8.EE.2

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	Exit Slip	
	Name: Date:	
•	In your own words, write a definition for an	
	irrational number. Be sure to include examples to help support your definition.	
	тогр сиррого усил испланом	
	8.EE.2	
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	Exit Slip	
	Name: Date:	
•	In your own words, write a definition for an	•
• • • •	irrational number. Be sure to include examples to help support your definition.	
•		•
	8.EE.2	
•		•

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Name:	Date:			
In your own w	ords, write a definition for an			
	r. Be sure to include examples to apport your definition.			
•				
3.EE.2				
).LL.Z				





		Exit Slip	
	Name:	Date:	:
•	In your own v	words explain how to solve $\sqrt[3]{100}$.	
•			
•			•
	0.55.0		
	8.EE.2		

•	Exit Slip	
•	Name: Date: In your own words explain how to solve $\sqrt[3]{100}$.	
•		
•		
•	8.EE.2	
• •		

Exit Slip

Name: _____ Date: ____

What is the solution to the equation $x^3 = 216$?

A. x = -4B. x = 4C. x = -6D. x = 6

Exit Slip	1
Name: Date:	- 1
What is the solution to the equation	- 1
$x^3 = 216$?	- 1
, <u> </u>	- 1
A. $x = -4$	
A. $x = -4$ B. $x = 4$	
C. x = -6	- 1
D. x = 6	- 1
8.EE.2	
0.LL.2	

• • • • • • • • • • • • • • • • • • • •		
 • 	Exit Slip	•
Name:	Date:	
What is the	ne solution to the equation	•
:	$x^3 = 216$?	
A. x = -4		•
$\bullet B. x = 4$		
C. $x = -6$		•
:		
8.EE.2] •

	Exit Slip	
Name:	Date:	l:
What is the	solution to the equation	•
	$x^3 = 216$?	:
A. $x = -4$ B. $x = 4$ C. $x = -6$:
A. $x = -4$		•
B. $x=4$		l •
C. $x = -6$:
<i>D.</i> $x = 6$		ŀ
8.EE.2		:
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Name: _____ Date: ____

Which shows the solution to $x^2 = 49$?

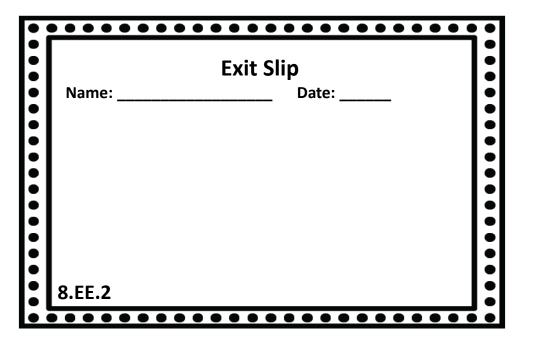
Select all that apply

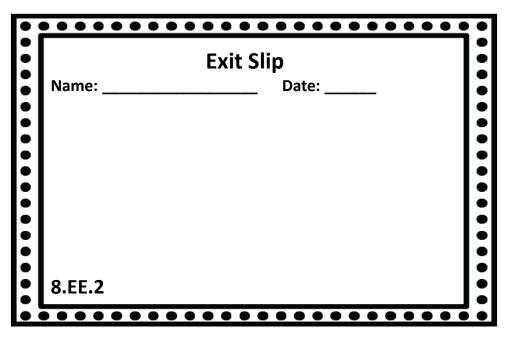
A. x = 7B. x = 8C. x = -7D. x = -88.EE.2

	Exit Slip
Name:	Date:
Which shows	s the solution to $x^2 = 49$?
	ect all that apply
	,
A. $x = 7$	
B. x = 8	
<i>C.</i> $x = -7$	
D. $x = -8$	
D , $\lambda = 0$	
8.EE.2	

	Exit Slip	•
	Name: Date:	
•	Which shows the solution to $x^2 = 49$?	
	Select all that apply	
	A. x = 7	
	B. $x = 8$	
:1	C. x = -7	
•	D. x = -8	•
:1		
١	8.EE.2	

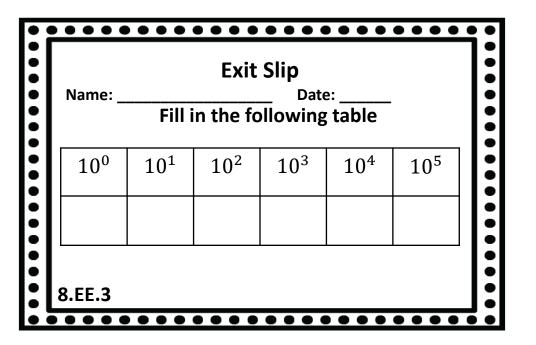
	Exit Slip
Name:	Date:
Which shov	vs the solution to $x^2 = 49$?
Se	elect all that apply
A. $x = 7$	
B. $x = 8$	
<i>C.</i> $x = -7$	
<i>D.</i> $x = -8$	
8.EE.2	





Exi	t Slip	
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8.EE.2		1:

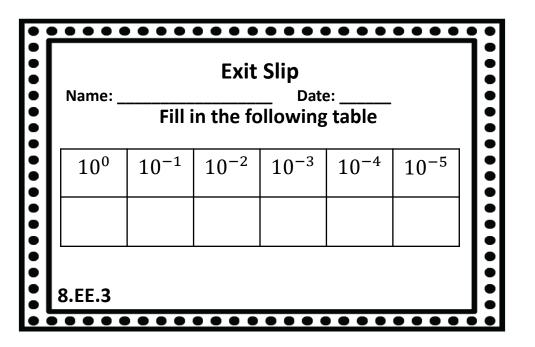
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•	8.EE.2	•



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	Fill i	n the fo	llowing	table	
10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵

Name:		Exit	Slip _ Date	::	
	Fill in	the foll	lowing t	able	
10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵
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8.EE.3		••••	• • • •		• • • •

Name: _	Exit Slip me: Date:					
	Fill i	n the fo	llowing	table		
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8.EE.3				1	•	



Name:		Exit	Slip _ Date	:	••••	
	Fill i	n the fo	llowing	table		
10 ⁰	10 ⁻¹	10-2	10 ⁻³	10-4	10^{-5}	
8.EE.3						

Exit Slip Name: Date:							
	Fill in the following table						
10^{0}	10 ⁻¹	10-2	10 ⁻³	10-4	10^{-5}		
8.EE.3							

Exit Slip Name: _____ Date: ____ Compare each set of large numbers in

scientific notation using the appropriate symbol <, >, or =

a.
$$4.5 \times 10^4$$
 _____ 4.5×10^6

b.
$$3.2 \times 10^3$$
 _____ 5.6×10^4

8.EE.3

Exit Slip

Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

a.
$$4.5 \times 10^4$$
 _____ 4.5×10^6

b.
$$3.2 \times 10^3$$
 _____ 5.6×10^4

8.EE.3

Exit Slip

Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

a.
$$4.5 \times 10^4$$
 _____ 4.5×10^6

b.
$$3.2 \times 10^3$$
 _____ 5.6×10^4

Exit Slip

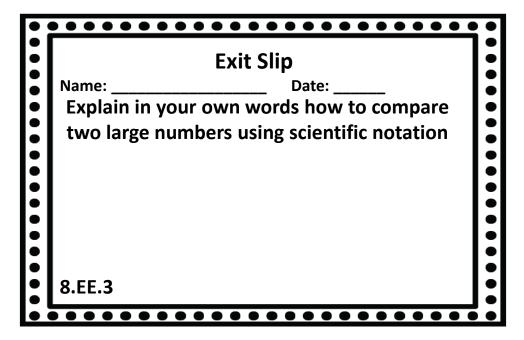
Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

a.
$$4.5 \times 10^4$$
 _____ 4.5×10^6

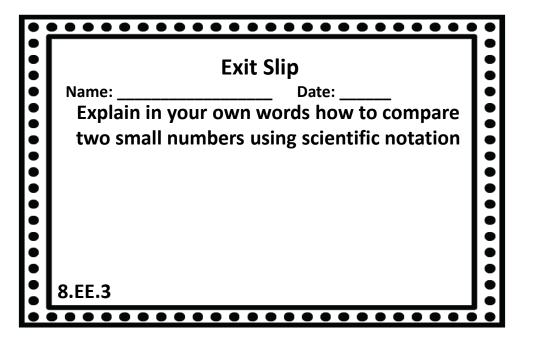
b.
$$3.2 \times 10^3$$
 _____ 5.6×10^4

		: :
	Exit Slip	
•	Name: Date:	•
	Explain in your own words how to compare	
•	two large numbers using scientific notation	•
••••••••		
•		•
•		•
•	8.EE.3	



	Exit Slip
Name:	Date:
	r own words how to compare obers using scientific notation
8.EE.3	

	Exit Slip	
•••••	Name: Date: Explain in your own words how to compare two large numbers using scientific notation	
• • • •		
• • •	8.EE.3	



•	• • • • • • • • • • • • • • • • • • • •	
•	Exit Slip	
•	Name: Date:	
•	Explain in your own words how to compare two	•
•	small numbers using scientific notation	•
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•	0.55.3	•
•	8.EE.3	
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•	Exit Slip	•
	Name: Date:	
•	Explain in your own words how to compare two	•
•	small numbers using scientific notation	•
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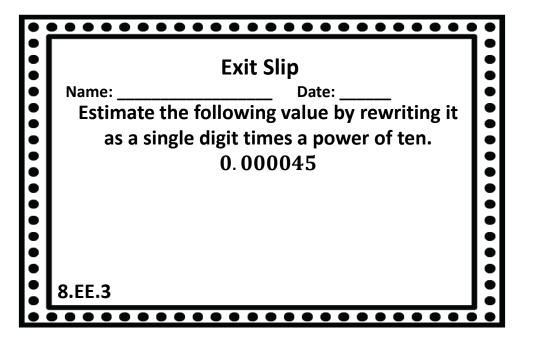
	Exit Slip
Name:	Date:
Explain in your o	wn words how to compare two
small numbe	ers using scientific notation
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3.EE.3	

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	Exit Slip	
•	Name: Date:	•
	Estimate the following value by rewriting it	
•	as a single digit times a power of ten.	•
	1,845,918	
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•	8.EE.3	•
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	Exit Slip	
•	Name: Date:	
•	Estimate the following value by rewriting it	•
•	as a single digit times a power of ten.	9
•	1,845,918	
•	,, -	2
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•		•
•	8.EE.3	
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	Exit Slip	
	Name: Date:	
	Estimate the following value by rewriting it	
•	as a single digit times a power of ten. 1,845,918	•
•	1,043,710	•
•		
	8.EE.3	

	Exit Slip	
	Name: Date: Estimate the following value by rewriting it	
•	as a single digit times a power of ten. 1,845,918	
•	8.EE.3	
•	0.EE.3	



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•	Exit Slip	
•	Name: Date:	
•	Estimate the following value by rewriting it	•
•	as a single digit times a power of ten.	•
:	0.000045	•
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•	8.EE.3	•
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	Exit Slip	
	Name: Date:	
•	Estimate the following value by rewriting it	•
	as a single digit times a power of ten.	•
	0.000045	:
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	8.EE.3	
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•	Exit Slip	
••••••	Date: lowing value by rewriting it git times a power of ten. 0. 000045	

Exit Slip Name: _____ Date: ____ A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was 80 years ago? 8.EE.3

	Exit Slip
people 80 yea significant g 3,234,956 peop	Date: Kansas started with a population of 2,300 ars ago. Now, the town has experienced growth and has a population of about le. Approximately how many times larger opulation in the Kansas town than it was 80 years ago?
8.EE.3	

Exit Slip	
Name: Date:	
A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger	••••
is the current population in the Kansas town than it was 80 years ago?	• • • •
8.EE.3	•
	Name: Date: A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was 80 years ago?

	Exit Slip
people 80 years a significant grov 3,234,956 people. A	Date: isas started with a population of 2,300 ago. Now, the town has experienced with and has a population of about Approximately how many times larger lation in the Kansas town than it was 80 years ago?
8.EE.3	

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	Name:	Exit Slip Date:	
	Which has a value g	greater than 400 but less than 4,000?	
••••••	A. $4.1 imes 10^3$	C. 8.34×10^3	
•	B. 3.9×10^4	D. $3.34 imes 10^3$	
•	8.EE.3		
• •			

 	xit Slip	•
Name:	Date:	•
Name: Which has a value greate A. 4.1×10^3 B. 3.9×10^4	er than 400 but less than 4,000?	•
A. 4.1×10^3	C. 8. 34 $\times 10^3$	•
B. 3.9×10^4	D. $3.34 imes 10^3$	•
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8.EE.3		:
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Exit Slip	
Name:	Date:
Which has a value grea	ter than 400 but less than 4,000?
A. 4.1×10^3	$\text{C. 8. 34} \times 10^3$
B. 3.9×10^4	D. $3.34 imes 10^3$
B.EE.3	

.......

Date: Name: In 2016, the population of the United States was approximately 3.24×10^8 . It is expected that the population will be about 3.98×10^8 in 2050. Which shows the growth population, written in scientific notation?

 $A. 7.4 \times 10^{-1}$

C. 7.4×10^8

B. 7.4×10^7

 $A. 7.4 \times 10^{-1}$

B. 7.4×10^7

8.EE.3

D. 7.4×10^{-2}

8.EE.3

Exit Slip

Name: Date: In 2016, the population of the United States was approximately 3.24×10^8 . It is expected that the population will be about 3.98×10^8 in 2050. Which shows the growth population, written in scientific notation?

 $A. 7.4 \times 10^{-1}$

 $C. 7.4 \times 10^8$

B. 7.4×10^7

D. 7.4×10^{-2}

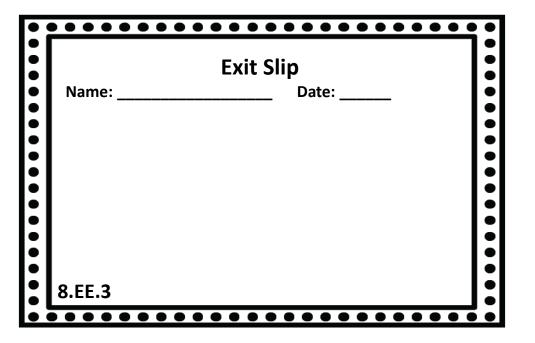
8.EE.3

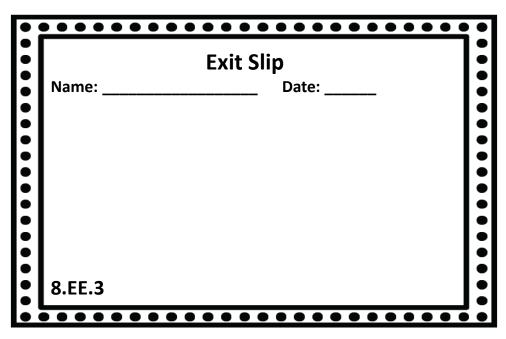
me:	Date:
In 2016, the negulat	
	ion of the United States was
	$ imes 10^8$. It is expected that the
population will be abo	ut $3.98 imes10^8$ in 2050. Whic

$\textbf{C. 7.4} \times \textbf{10}^{8}$ D. 7.4×10^{-2}

	Exit Slip
approximately 3 population will be	pulation of the United States was 3.24×10^8 . It is expected that the e about 3.98×10^8 in 2050. Which th population, written in scientific notation?
A. 7.4×10^{-1}	C. 7.4×10^8
<i>B.</i> 7.4×10^7	D. $7.4 imes 10^{-2}$
8.EE.3	

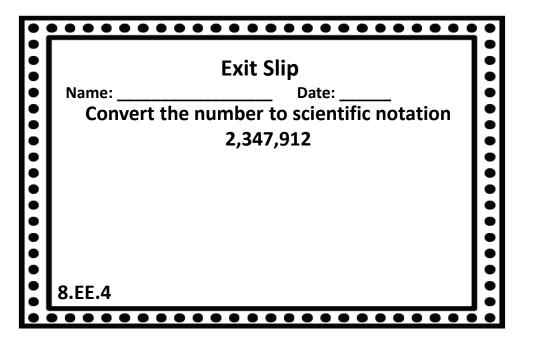
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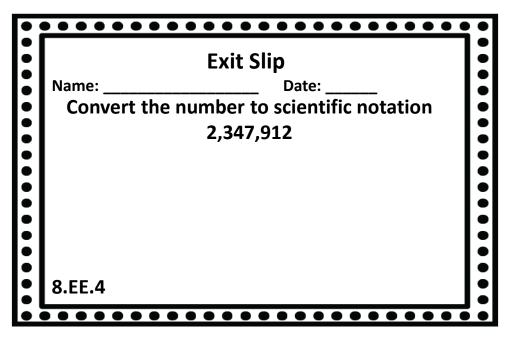




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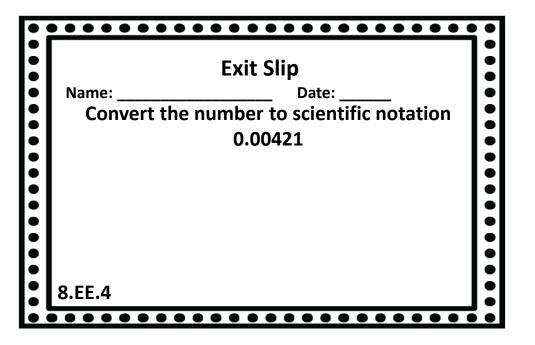
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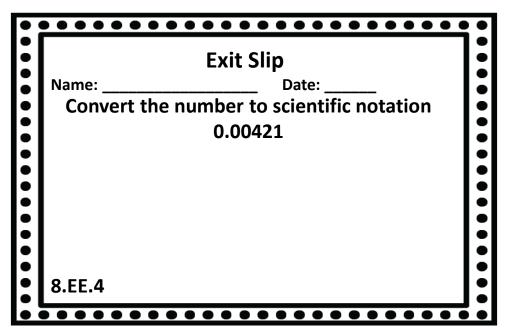




	Exit Slip	
	Name: Date:	
•	Convert the number to scientific notation	•
	2,347,912	
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Exit Slip	:
Name: Date:	•
Convert the number to scientific notation	•
2,347,912	•
, ,	•
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	•
0.55.4	
8.EE.4	•
	Name: Date:





	Exit Slip				
	Name: Date:				
•	Convert the number to scientific notation	•			
	0.00421				
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	8.EE.4				
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	Name: Date:	•
	Convert the number to scientific notation	:
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	8.EE.4	•

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	Exit Slip	•	
•	Name: Date:		
•	Convert the number to standard notation		
	6.34×10^{-4}		
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	8.EE.4		
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•	Exit Slip	•
	Name: Date:	
•	Convert the number to standard notation	•
	6.34×10^{-4}	
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	8.EE.4	•
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	Exit Slip	ľ
Name:	Date:	Ľ
Convert th	e number to standard notation	ŀ
21	6.34×10^{-4}	Ľ
31	0.01 / 10	l
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8.EE.4		

	Exit Slip
Name:	Date:
Convert th	e number to standard notation
	6.34×10^{-4}
8.EE.4	

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	Exit Slip	•
•	Name: Date:	•
	Convert the number to standard notation	
•	$2.56 imes 10^6$	•
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	8.EE.4	•
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•	Exit Slip	•
	Name: Date:	
•	Convert the number to standard notation	•
	$2.56 imes 10^6$	
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•	0.55.4	•
•	8.EE.4	

•	Exit Slip	
	Name: Date:	:
•	Convert the number to standard notation	•
	$2.56 imes 10^6$:
•	2.00 20	•
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	8.EE.4	:
		<u>. </u>

	Exit Slip	
Name:	Date:	l:
Convert th	e number to standard notation	•
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8.EE.4		•
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Name: _____ Date: ____
Solve the following and make sure to write your answer in scientific notation. $(4.36\times 10^6) + (3.1\times 10^6)$ 8.EE.4

Exit Slip	•
Name: Date:	•
Solve the following and make sure to write	•
your answer in scientific notation.	:
$(4.36 \times 10^6) + (3.1 \times 10^6)$	
	:
8.EE.4	
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	Exit Slip	
	Name: Date:	
	Solve the following and make sure to write your answer in scientific notation.	
	$(4.36 \times 10^6) + (3.1 \times 10^6)$	
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•	8.EE.4	

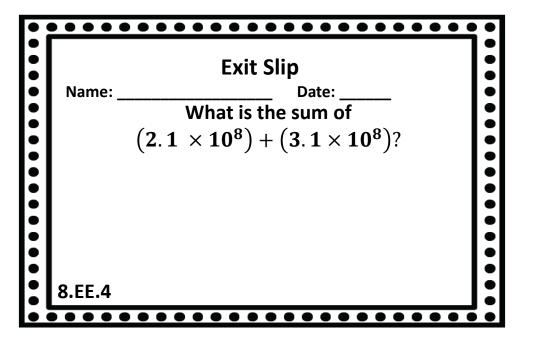
	Exit Slip
Name:	Date:
Solve the followi	ing and make sure to write
your answer	in scientific notation.
	$(0^6) + (3.1 \times 10^6)$
(1.00 / 1	(3.1 / 10)
8.EE.4	

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•	Exit Slip	
•	Name: Date:	•
	Solve the following and make sure to write	•
•	your answer in scientific notation.	•
	$(1.5 \times 10^5)(5 \times 10^3)$	•
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	0.55.4	
•	8.EE.4	•

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Exit Slip	
Name: Date:	•
Solve the following and make sure to write	•
your answer in scientific notation.	!
$(1.5 \times 10^5)(5 \times 10^3)$	•
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8.EE.4] •
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•	Exit Slip	•
• • •	Name: Date:	
•	Solve the following and make sure to write	•
	your answer in scientific notation.	
•	$(1.5 \times 10^5)(5 \times 10^3)$	•
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	8.EE.4	
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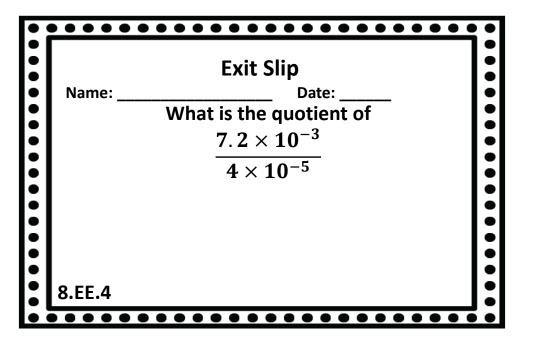
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Name: Date:	l:
Solve the following and make sure to write	•
your answer in scientific notation.	I:
$(1.5 \times 10^5)(5 \times 10^3)$	•
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8.EE.4	•
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•		Exit Slip	•
	Name: _	 Date:	
•		What is the sum of	•
•		$(2.1 \times 10^8) + (3.1 \times 10^8)$?	•
•			•
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•	8.EE.4		•
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	Exit Slip
Name:	Date:
	What is the sum of
(2	$(2.1 \times 10^8) + (3.1 \times 10^8)$?
(-	(0.2 / 20)
8.EE.4	

	Exit Slip
Name:	Date:
	What is the sum of
(:	$(2.1 \times 10^8) + (3.1 \times 10^8)$?
8.EE.4	
0.22.4	



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•		Exit Slip	•
	Name:	Date:	•
•		What is the quotient of	•
		7.2×10^{-3}	
•		$\overline{4 \times 10^{-5}}$	
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	8.EE.4		
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		Exit Slip	
1.	Name:	Date:	
•		What is the quotient of	•
		7.2×10^{-3}	•
		4×10^{-5}	
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	8.EE.4		
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	Name:	Date:	1:
•		What is the quotient of	-
		7.2×10^{-3}	1:
•		$\boxed{4\times10^{-5}}$!
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•	8.EE.4		1:
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Name: ______ Date: ____

Which values are greater than 2.4×10^{-5} ? Select all that apply.

A. 2.4×10^{-4} B. 1.1×10^{-6} C. 1.8×10^{-1} D. 4.9×10^{-5} 8.EE.4

	Exit Slip	
Name:	Date:	ı
	Which values are greater than	ı
2	$2.4 imes 10^{-5}$? Select all that apply.	ı
		ı
<i>A.</i> 2	$1.4 imes10^{-4}$	
<i>B.</i> 1	$1 imes 10^{-6}$	
<i>C.</i> 1	$.8 imes 10^{-1}$	ı
D. 4	$1.9 imes 10^{-5}$	
8.EE.4		ı

	Exit Slip	
	Name: Date:	
•••••	Which values are greater than	
	$2.4 imes10^{-5}$? Select all that apply.	
•	$A. 2.4 \times 10^{-4}$	
•	B. 1.1×10^{-6}	
	$C. 1.8 \times 10^{-1}$	
	$D. 4.9 \times 10^{-5}$	
	8.EE.4	

Exit Slip	
Name:	Date:
Which	values are greater than
2.4×10	0^{-5} ? Select all that apply.
$A. 2.4 \times 10^{\circ}$	-4
<i>B.</i> 1.1 × 10	-6
$C. 1.8 \times 10^{\circ}$	-1
$D. 4.9 \times 10^{\circ}$	-5
8.EE.4	

Exit Slip

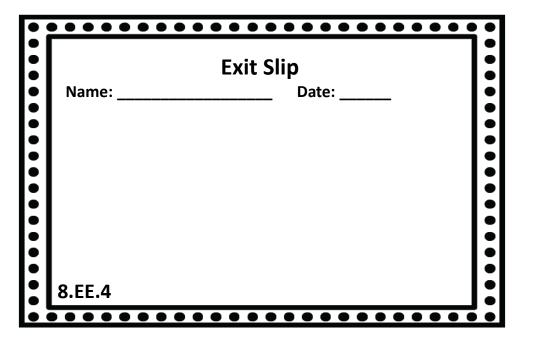
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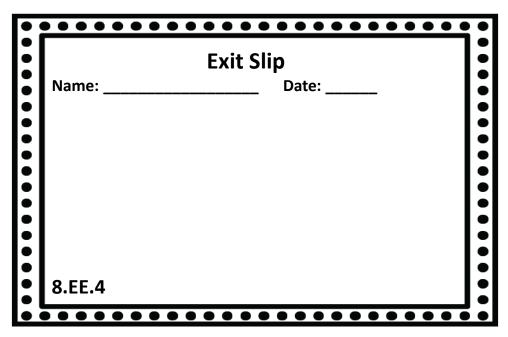
Determine the unknown factors in the following equation: $(2\times 10^5)(?\times?) = 8\times 10^{12}$ 8.EE.4

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	Exit Slip	•
•	Name: Date:	•
•	Determine the unknown factors in the	•
	following equation:	
•	$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$	•
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•	8.EE.4	•

	Exit Slip
Name:	Date:
Determine	the unknown factors in the
fo	ollowing equation:
	$(0^5)(? \times ?) = 8 \times 10^{12}$
	(i \ i) = 0 \ 10
8.EE.4	

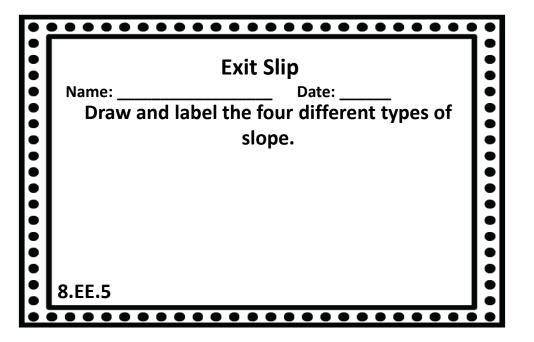
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Name:	Date:	Ľ
Determine	the unknown factors in the	ŀ
fo	ollowing equation:	Ľ
(2×1)	$(0^5)(? \times ?) = 8 \times 10^{12}$	
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8.EE.4		
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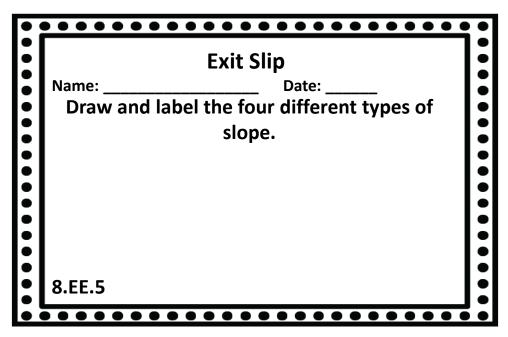




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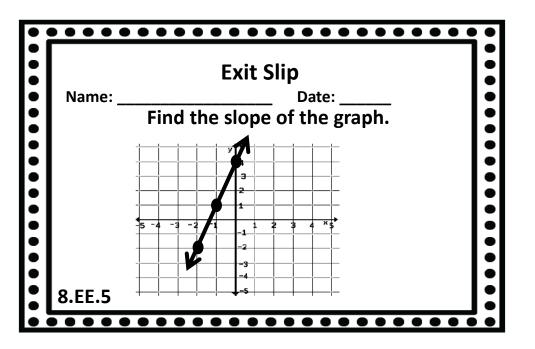
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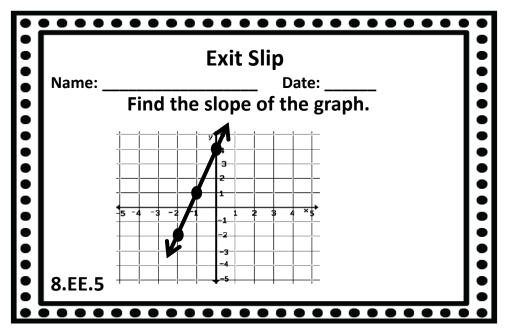


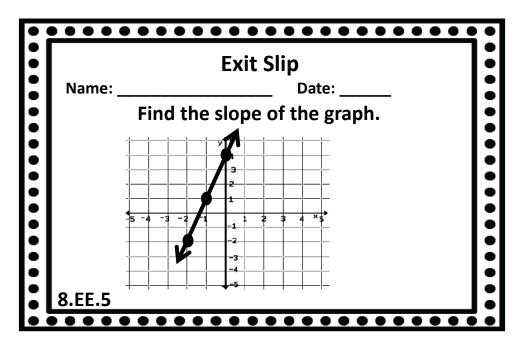


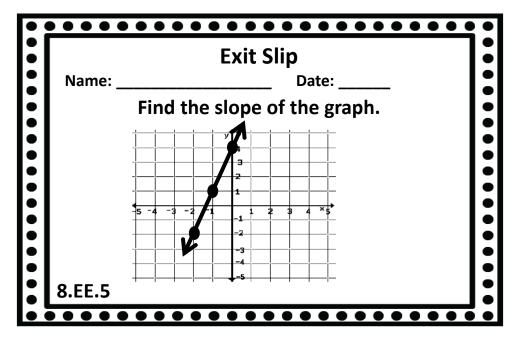
•	Exit Slip	•
	Name: Date:	
•	Draw and label the four different types of	•
	slope.	
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	8.EE.5	

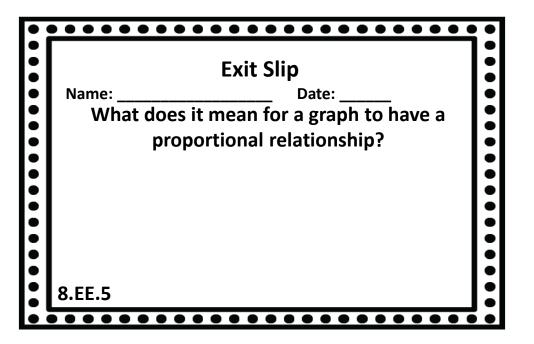
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•	Name: Date:	!
•	Draw and label the four different types of	
•	slope.	
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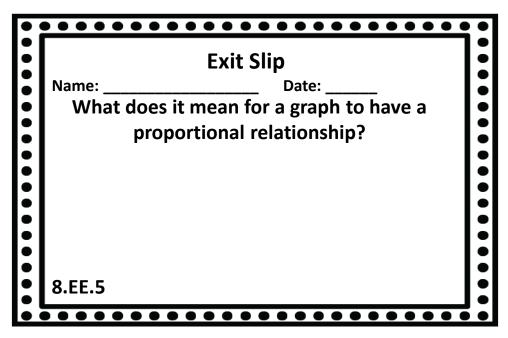






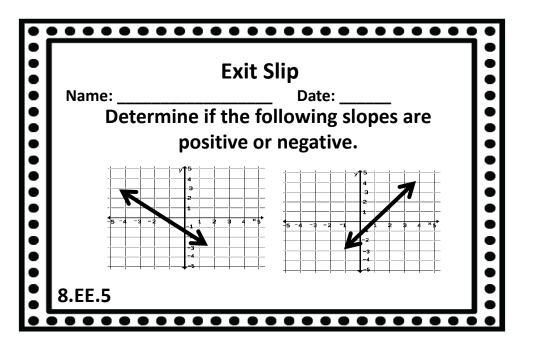


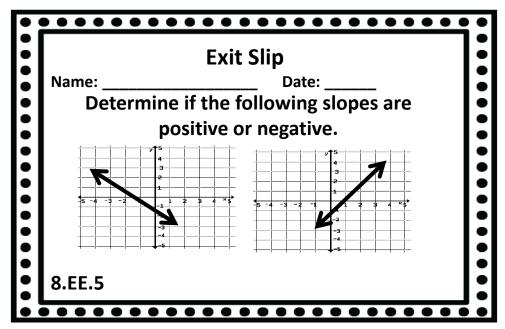


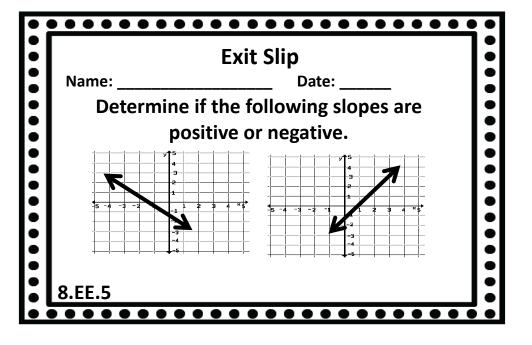


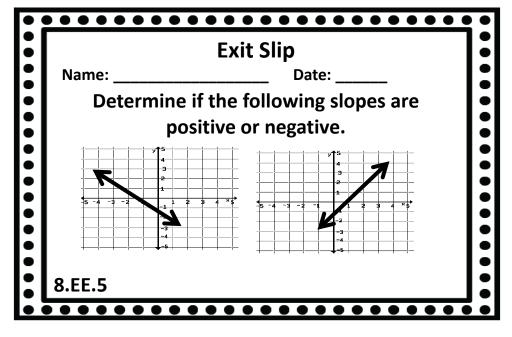
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	Name: Date:	
•	What does it mean for a graph to have a	•
•	proportional relationship?	•
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•	8.EE.5	•
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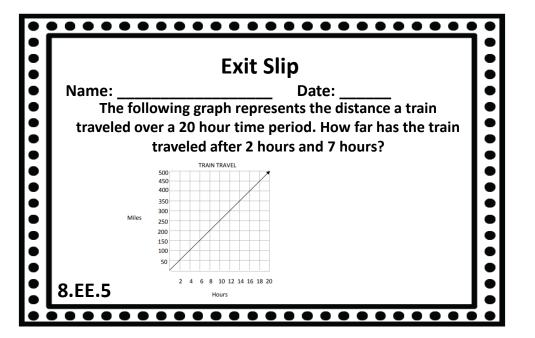
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Name:	Date:
	es it mean for a graph to have a roportional relationship?
8.EE.5	

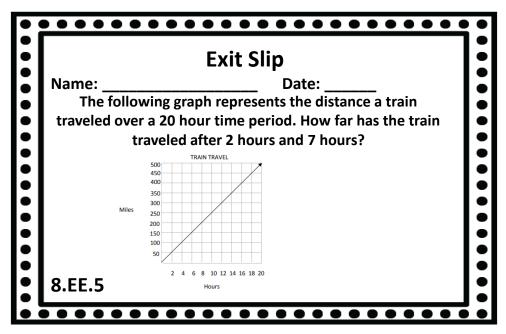


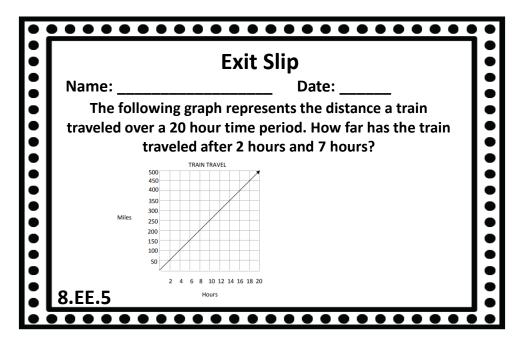


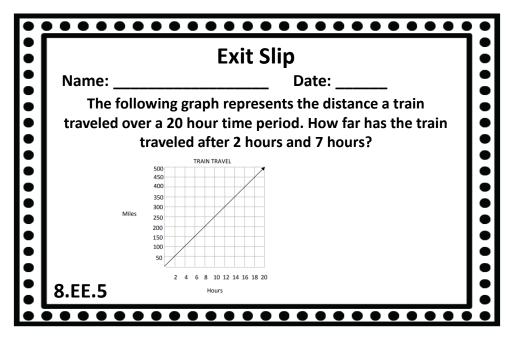


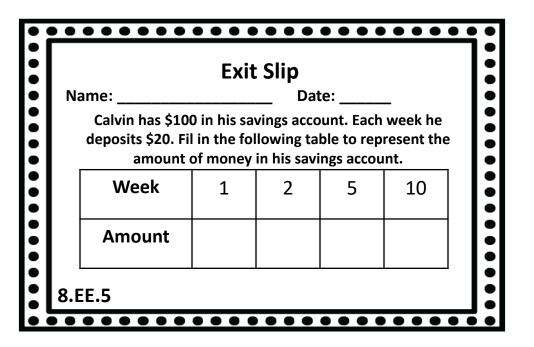


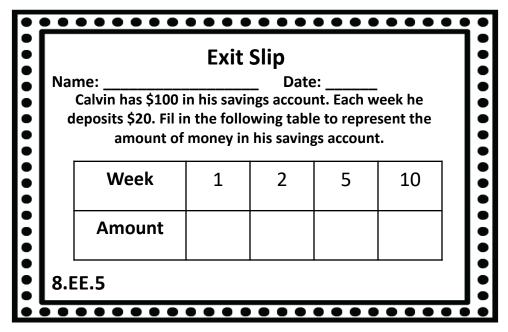






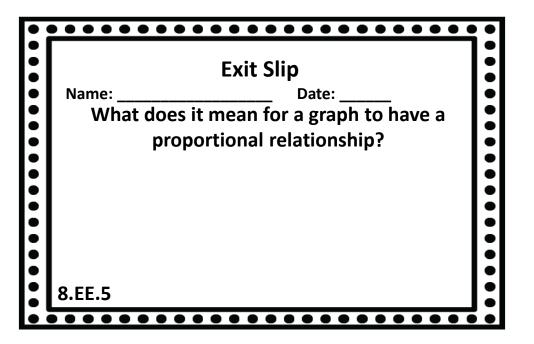


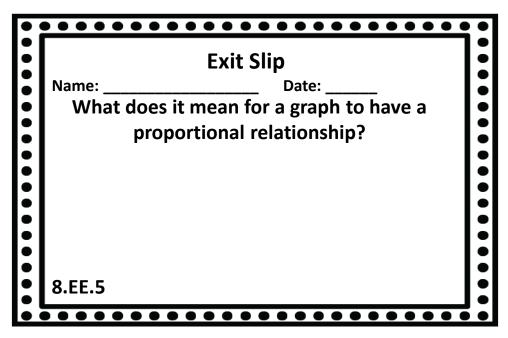




•••••	Exi	t Slip		<u> </u>
Name: Calvin has \$100 deposits \$20. Fil amount o	in the foll	ings accor owing tab	le to repi	esent the
Week	1	2	5	10
Amount				

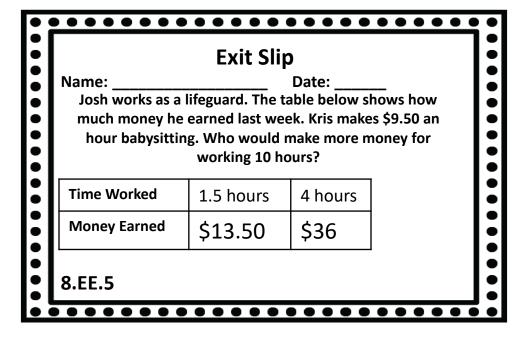
Name: Calvin has \$100 deposits \$20. Fil amount c		 rings accor lowing tak	ole to repi	esent the
Week	1	2	5	10
Amount				

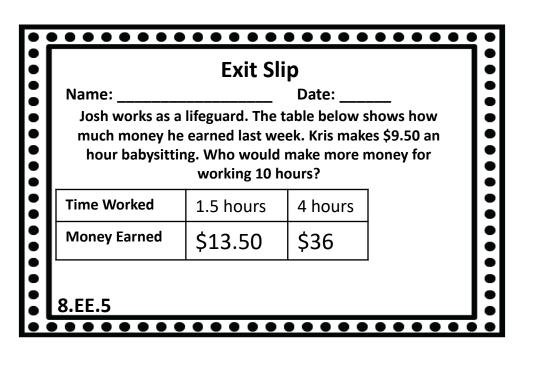




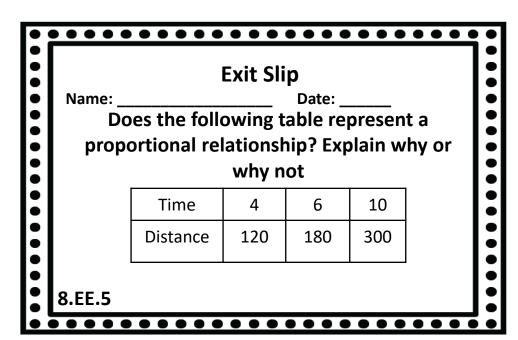
•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
•	What does it mean for a graph to have a	•
•	proportional relationship?	•
		•
		•
•	8.EE.5	•
•		

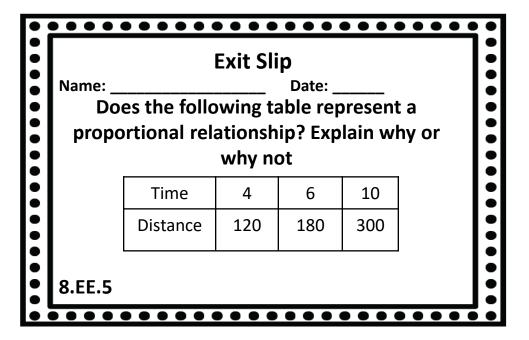
	Exit Slip
Name:	Date:
	es it mean for a graph to have a roportional relationship?
8.EE.5	





Josh works as a much money he hour babysittin	earned last we	ek. Kris make make more n	es \$9.50 an
Time Worked	1.5 hours	4 hours	
Money Earned	\$13.50	\$36	





es the follo	_	Date: able re nip? Exp	-	
Time	4	6	10	
Distance	120	180	300	

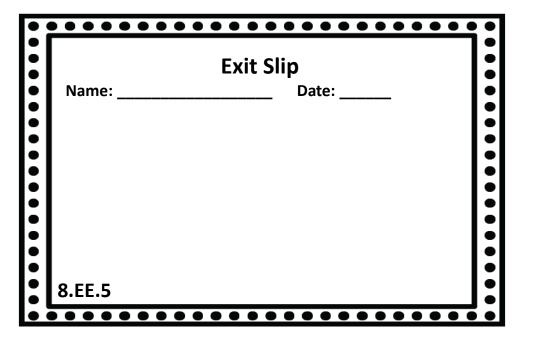
		Exit S	lip					
Name: _								
Does the following table represent a proportional relationship? Explain why or why not								
	Time	4	6	10				
	Distance	120	180	300				
8.EE.5					I			

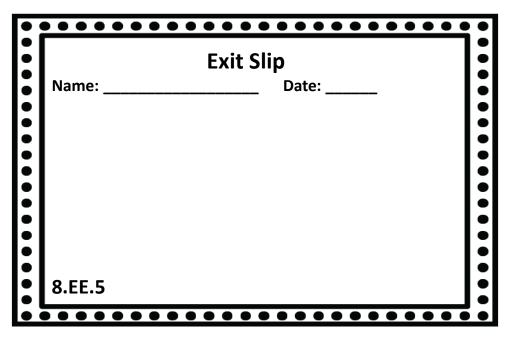
Exit Slip	•
Name: Date:	•
Determine if the following statements are true or	•
false. A proportional relationship	
	•
1. does not have a constant rate of	•
change.	
2. is a graph that is linear.	•
3. has a constant ratio of quantities	•
<u> </u>	
8.EE.5	
	Name: Date: Determine if the following statements are true or false. A proportional relationship 1. does not have a constant rate of change. 2. is a graph that is linear. 3. has a constant ratio of quantities 4. always passes through the origin.

	Exit Slip
Name:	Date:
Determ	ine if the following statements are true or
•	false. A proportional relationship
	1. does not have a constant rate of change.
	2. is a graph that is linear.
	3. has a constant ratio of quantities
	4. always passes through the origin.
8.EE.5	

•			
	Exit Slip	•	
	Name: Date:		
•	Determine if the following statements are true or	•	
•	false. A proportional relationship	•	
•	1. does not have a constant rate of change.	•	
•	2. is a graph that is linear.	•	
•	3. has a constant ratio of quantities	•	
•	4. always passes through the origin.		
•	8.EE.5	•	
•	• • • • • • • • • • • • • • • • • • • •	•	

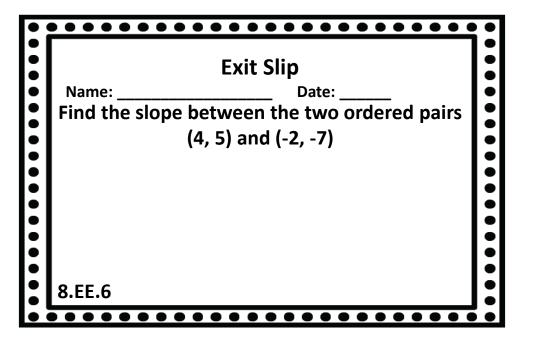
	Exit Slip
Name: _	Date:
Determ	ine if the following statements are true or
1	false. A proportional relationship
	1. does not have a constant rate of change.
	2. is a graph that is linear.
	3. has a constant ratio of quantities
	4. always passes through the origin.
8.EE.5	





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		Exit Slip	
	Name:	Date:	
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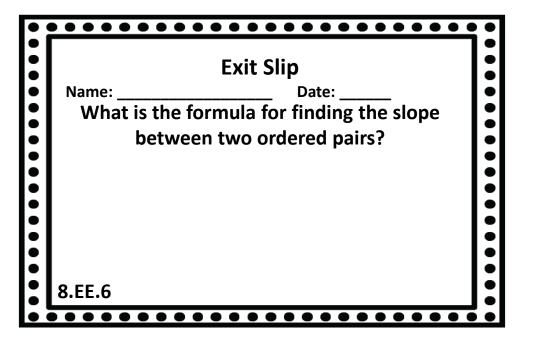
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•	Exit Slip	•
• •	Name: Date:	•
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	8.EE.5	•
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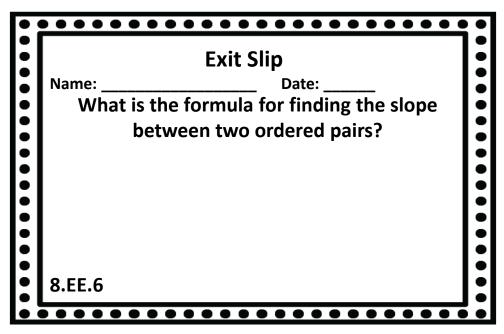


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•	Exit Slip	•
	Name: Date:	
•	Find the slope between the two ordered pairs	•
•	(4, 5) and (-2, -7)	•
•		•
•		•
•		•
•		
	8.EE.6	•

	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
•	Find the slope between the two ordered pairs	•
•	(4, 5) and (-2, -7)	•
•		•
•		
	8.EE.6	

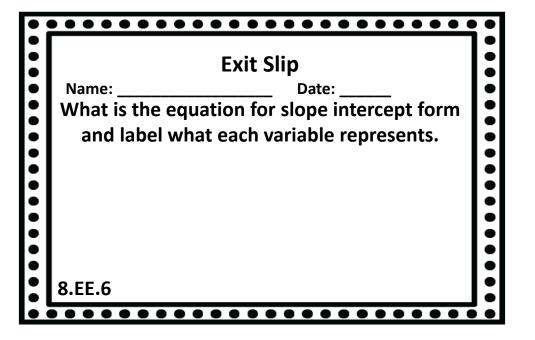
•	• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	•
• • •	Name: Date:	
•	Find the slope between the two ordered pairs	•
•	(4, 5) and (-2, -7)	•
•		•
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•	0.55.6	•
•	8.EE.6	•

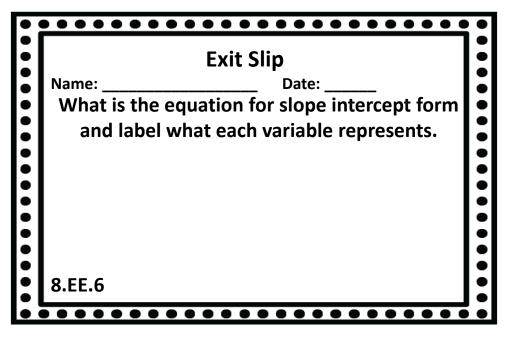




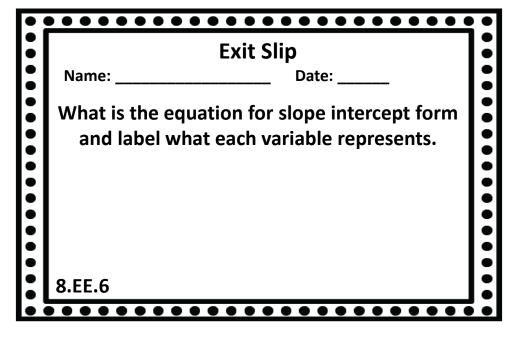
!	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
• • •	What is the formula for finding the slope	•
 :	between two ordered pairs?	•
		•
	8.EE.6	•

	Exit Slip	
•	Name: Date:	
•••••••	What is the formula for finding the slope between two ordered pairs?	
	8.EE.6	





• • •	Exit Slip Name: Date:	
• • • •	What is the equation for slope intercept form and label what each variable represents.	•
• • • •		
• • •	8.EE.6	•



Exit Slip

••••••

Name: _____ Date: ____ Identify the slope and y – intercept of the following equations:

a.
$$y = 4x + 1$$

b.
$$y = x - 2$$

c.
$$y = \frac{1}{3}x$$

8.EE.6

Exit Slip

••••••

Name: _____ Date: ____

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a.
$$y = 4x + 1$$

b.
$$y = x - 2$$

c.
$$y = \frac{1}{3}x$$

8.EE.6

Exit Slip

Name: _____ Date: ____

Identify the slope and y – intercept of the following equations:

•••••••

a.
$$y = 4x + 1$$

b.
$$y = x - 2$$

$$c. \quad y = \frac{1}{3}x$$

Exit Slip

Name: _____ Date: ____ Identify the slope and y – intercept of the following equations:

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$$y = 4x + 1$$

b.
$$y = x - 2$$

$$c. \quad y = \frac{1}{3}x$$

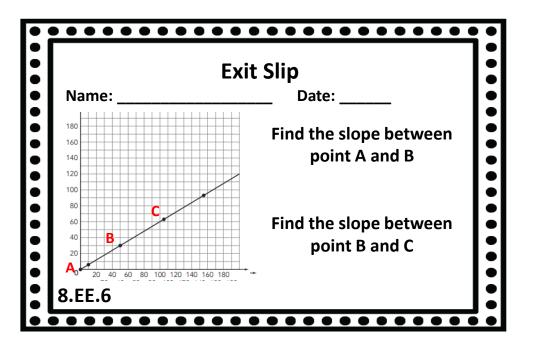
8.EE.6

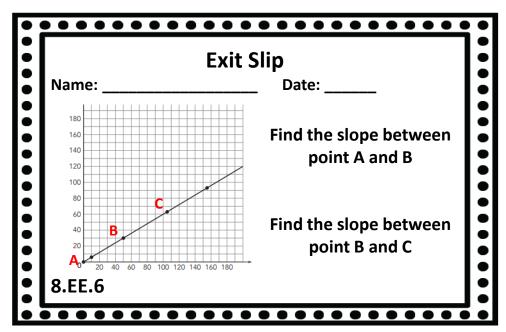
Exit Slip Name: _____ Date: ___ Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line. 8.EE.6

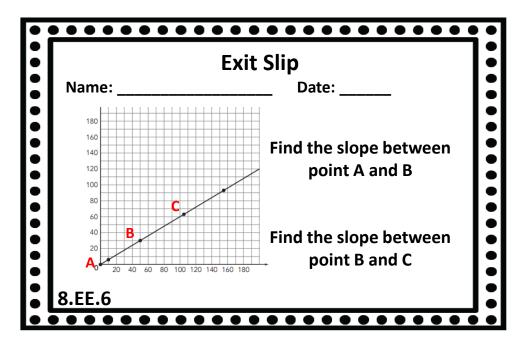
•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
•	Name: Date:	R
•	Explain how to use similar triangles to explain	•
•	why the slope is the same between any two	•
•	points on a linear line.	1
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•	8.EE.6	9
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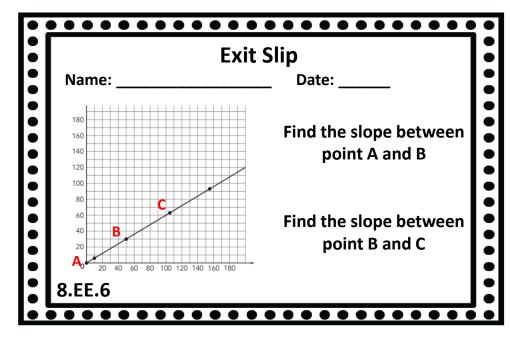
	Exit Slip	
	Name: Date:	
••••	Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line.	• • • •
• • •	8.EE.6	

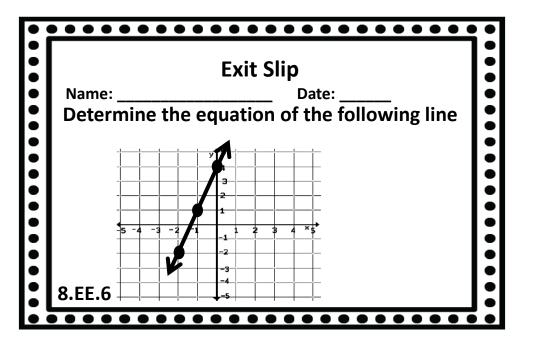
	Exit Slip	•
••••••••	Name: Date: Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line.	
	8.EE.6	•

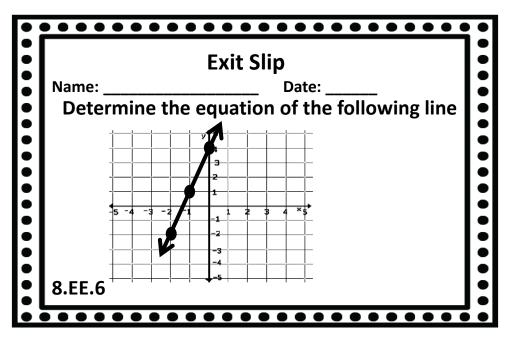




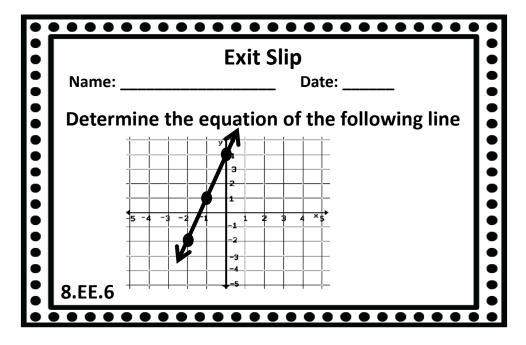


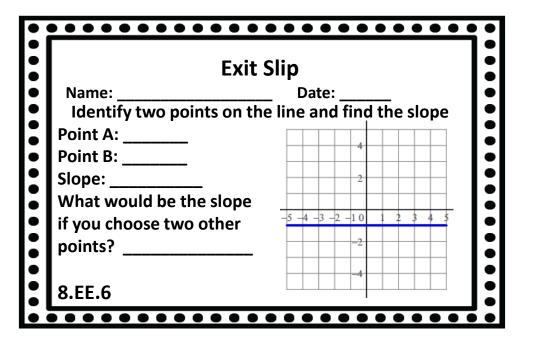






		Exit Slip								
:	Name:					Dat	e:			
	Deter	mine	the		ation	of th	e follo	wing li	ne	
				3						
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:	:	5 -4 -3	-2	-1	1 2 3	4 ×5				
:				-3 -4 -5						
:	8.EE.6								;	

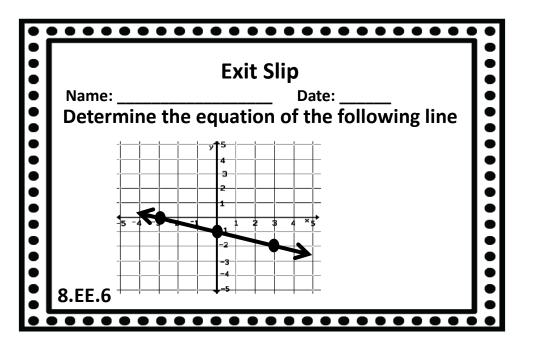


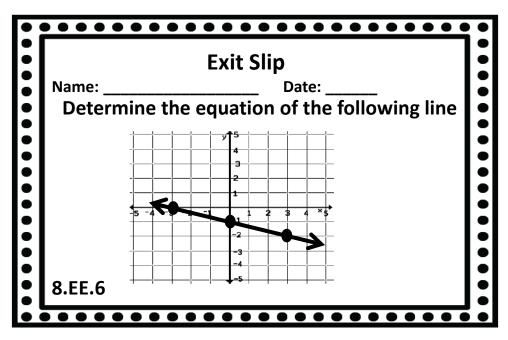


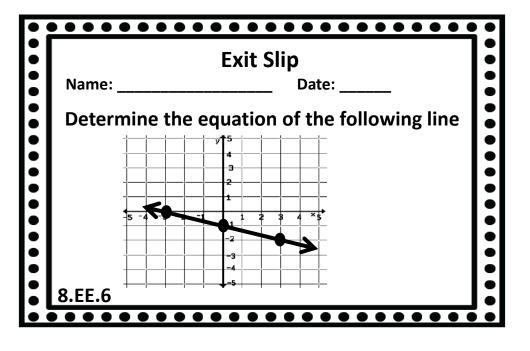
Exit 9	Slip
Name: Identify two points on t	Date: he line and find the slope
Point A:	
Point B:	4
Slope:	
What would be the slope	
if you choose two other	-5 -4 -3 -2 -1 0 1 2 3 4 5
points?	-2
8.EE.6	

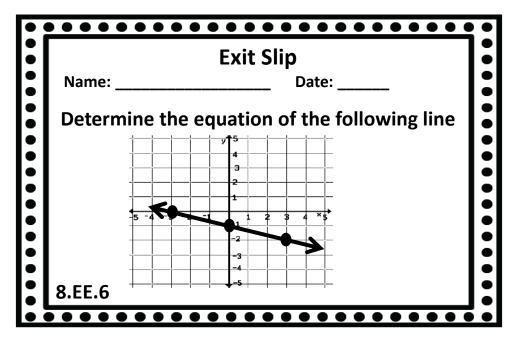
	Exit S	Slip	 :
	Name:	Date:	:
•	Identify two points on the	e line and find the slope	:
•	Point A:	4	!
	Point B:		•
	Slope: What would be the slope		 :
•	if you choose two other	-5 -4 -3 -2 -1 0 1 2 3 4 5	l:
•	points?	-2	•
		-4	:
	8.EE.6		•

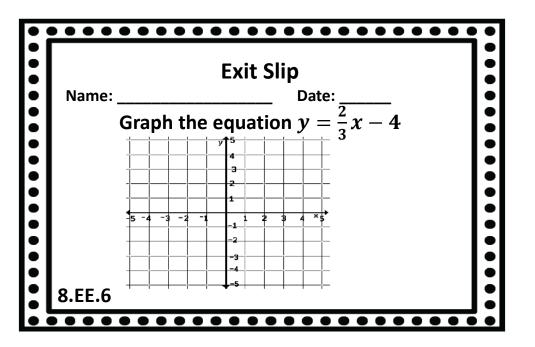
	Exit Slip
Name:	Date:
Identify two points	on the line and find the slope
Point A:	
Point B:	4
Slope:	
What would be the sl	ope
if you choose two oth	ner -5 -4 -3 -2 -1 0 1 2 3 4 5
points?	
	-4
8.EE.6	

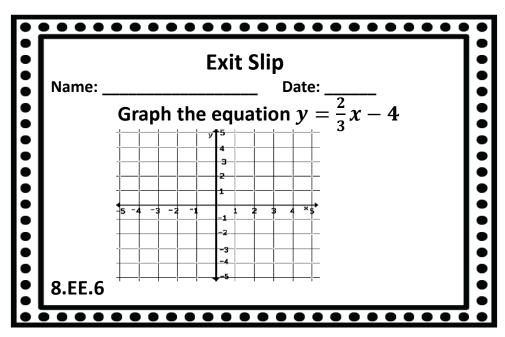




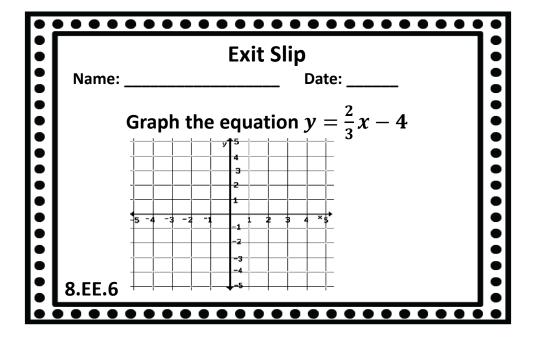








	Exit Slip	
Name:	Date:	
:	Graph the equation $y = \frac{2}{3}x - 4$	
:	y 15 1 1 1 1 1 1 1 1 1	
:	3	•
•		
	1 1 1 1	
:	-3	9
8.EE.6		
0.11.0	 _	



Exit Slip

•••••••••

Name: _____ Date: ____

Simplify the following expressions:

1.
$$3x + 8x + 5$$

2.
$$4(x+y)-2y$$

3.
$$-2y + 5y + 7x - 2x$$

8.EE.7

Exit Slip

••••••

Name: _____ Date: ____

Simplify the following expressions:

1.
$$3x + 8x + 5$$

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$$4(x+y)-2y$$

3.
$$-2y + 5y + 7x - 2x$$

8.EE.7

Exit Slip

•••••

Name: _____ Date: ____

Simplify the following expressions:

••••••

1.
$$3x + 8x + 5$$

2.
$$4(x+y)-2y$$

3.
$$-2y + 5y + 7x - 2x$$

8.EE.7

Exit Slip

Name: _____ Date: ____

Simplify the following expressions:

1.
$$3x + 8x + 5$$

2.
$$4(x+y)-2y$$

3.
$$-2y + 5y + 7x - 2x$$

8.EE.7

Exit Slip

Name: _____ Date: ____

Solve the following equation 3(-2x+4) = -6x - 128.EE.7

	Exit Slip	•
Name: _	Date:	:
	Solve the following equation	
	3(-2x+4) = -6x - 12	
8.EE.7		
	_	Name: Date: Solve the following equation $3(-2x+4) = -6x - 12$

		• • • • • • • • • • • • • • • • • • • •	
		Exit Slip	•
	Name: _	Date:	
:		Solve the following equation	•
		3(-2x+4) = -6x - 12	•
•			•
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	8.EE.7		
		• • • • • • • • • • • • • • • • • • • •	

Name:	Exit Slip Date:	•
Name.	Solve the following equation	•
	3(-2x+4) = -6x - 12	•
		•
		•
8.EE.7		•

Exit Slip Name: ____ Date: ___ Give an example of what the last line would like with an equation that has: 1. No Solution ____ 2. One Solution ____ 3. Infinite Solutions ____

•	Exit Slip	•
	Name: Date:	
•	Give an example of what the last line would like	•
•	with an equation that has:	•
•		•
•	1. No Solution	•
	2. One Solution	•
•	3. Infinite Solutions	•
•		•
•	8.EE.7	•
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		•
	Exit Slip	•
:	Name: Date:	
•	Give an example of what the last line would like	•
	with an equation that has:	•
	1. No Solution	•
• • •	2. One Solution	•
	3. Infinite Solutions	•
		•
	8.EE.7	•
	0.LL./) •) •

	Exit Slip	
•	Date: Date: Sive an example of what the last line would like with an equation that has:	
1. 2. 3.	One Solution	
8.E	E.7	

•		
•	Exit Slip	
	Name: Date:	
	When solving an equation Ashley gets to the last line of his work and is left with "7 = 7". What does	
	this mean?	
•	8.EE.7	
•		

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	Exit Slip	Ľ
	Name: Date:	F
•	When solving an equation Ashley gets to the last	ľ
	line of his work and is left with "7 = 7". What	Ľ
	does this mean?	ľ
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	8.EE.7	
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	Exit Slip	
	Name: Date:	
•	When solving an equation Ashley gets to the last	•
• • • •	line of his work and is left with "7 = 7". What	
	does this mean?	
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	8.EE.7	

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	Exit Slip	•
	Name: Date:	•
• • •	When solving an equation Ashley gets to the last line of his work and is left with "7 = 7". What does this mean?	•
	does tins mean.	•
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•	8.EE.7	•

Exit Slip

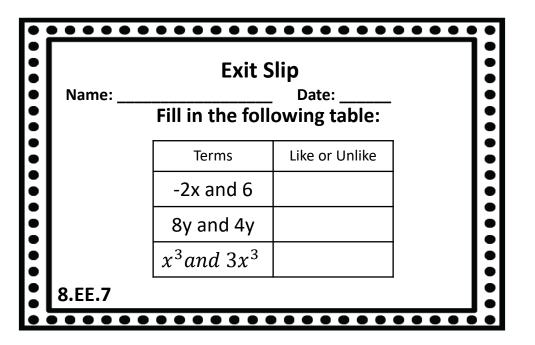
Name: _____ Date: ____

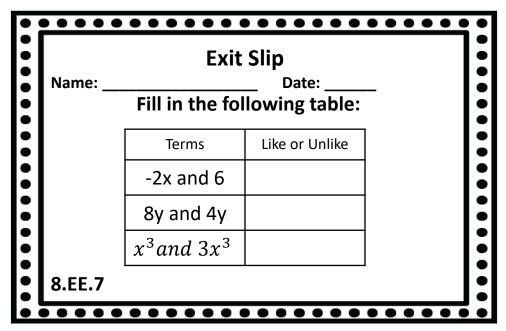
Solve the following equation: -5(x-3)+7x=358.EE.7

•	••••	•••••	<u> </u>
•		Exit Slip	
	Name:	Date:	1:
•	Sc	olve the following equation:	•
•		-5(x - 3) + 7x = 35	1:
•			1:
•			
•			1:
•	8.EE.7		
			┧:

	••••		
		Exit Slip	•
	Name:	Date:	
•		Solve the following equation:	•
			•
		-5(x - 3) + 7x = 35	
•			•
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	8.EE.7		
•		• • • • • • • • • • • • • • • • • • • •	•

	Exit Slip	
Name: _	Date:	ı
	Solve the following equation:	
	-5(x - 3) + 7x = 35	
8.EE.7		
0.22.7		Į





N	ame: _		t Slip Date: bllowing table	
		Terms	Like or Unlike	:
		-2x and 6		
		8y and 4y		:
		x^3 and $3x^3$:
8. E	E.7]:
• • •	• • •		•••••	 •

lame:		Slip Date:
	Fill in the fol	lowing table
	Terms	Like or Unlike
	-2x and 6	
	8y and 4y	
	x^3 and $3x^3$	

Exit Slip

Name: _____ Date: ____

Solve the following equation: 8x + 4 + 3 = x - 7

•	••••	•••••	•
		Exit Slip	•
	Name:	Date:	
•	9	Solve the following equation:	
• • •		8x + 4 + 3 = x - 7	
•			
•	8.EE.7		

!	• • • •	<u> </u>	
		Exit Slip	
	Name:	Date:	
•		Solve the following equation:	•
		8x + 4 + 3 = x - 7	•
•			•
			•
	8.EE.7		
		• • • • • • • • • • • • • • • • • • • •	

	Exit Slip			
•	Name:	Date:	•	
		Solve the following equation:		
		8x + 4 + 3 = x - 7		
•			•	
•	8.EE.7		•	

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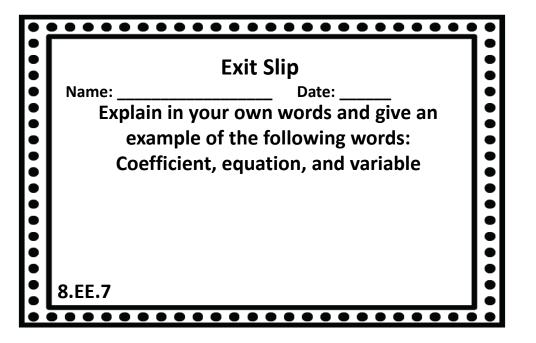
Name: _____ Date: ____

Solve the following equation: 3(x+1) + x + 2 = 4x + 58.EE.7

	•••	• • • • • • • • • • • • • • • • • • • •	
•		Exit Slip	•
	Name: _	Date:	
•		Solve the following equation:	•
• • •		3(x+1) + x + 2 = 4x + 5	• • •
•			•
	8.EE.7		

•		Exit Slip	
	Name:	Date:	1:
••••		Solve the following equation:	
•		3(x+1) + x + 2 = 4x + 5	
• • • • •			
•			
	8.EE.7		
		••••••	

	Exit Slip	
Name:	Date:	
	Solve the following equation:	
	3(x+1) + x + 2 = 4x + 5	
8.EE.7		•
8.EE.7		



•		
•	Exit Slip	
•	Name: Date:	
•	Explain in your own words and give an	
•	example of the following words:	9
•	Coefficient, equation, and variable	
•		9
	8.EE.7	
•	O.EE./	

•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
•	Explain in your own words and give an	•
	example of the following words:	
	Coefficient, equation, and variable	
•		•
•		•
	8.EE.7	
	• • • • • • • • • • • • • • • • • • • •	•

	Exit Slip	
Name:	Date:	Ľ
Explain in y	our own words and give an	ŀ
example	of the following words:	Ľ
Coefficien	nt, equation, and variable	Ŀ
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8.EE.7		l
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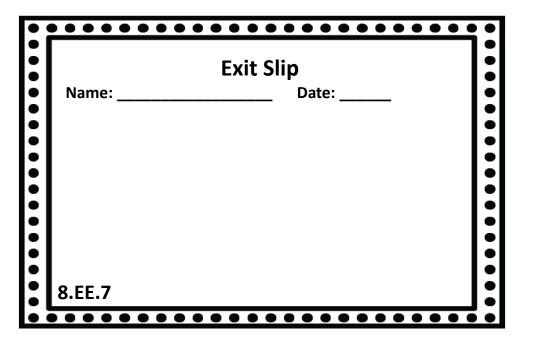
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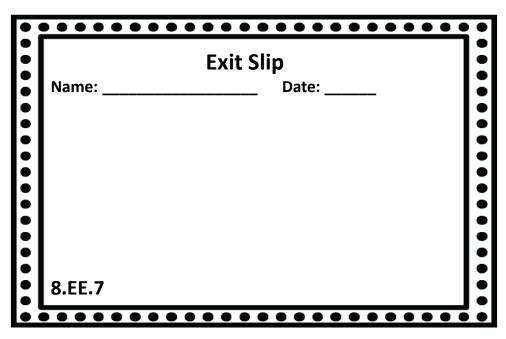
Solve the following equation 4(x+2) + x + 1 = 2x - 3 + 3(x+4)8.EE.7

•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	•
•	Solve the following equation	•
	4(x+2) + x + 1 = 2x - 3 + 3(x+4)	
•		•
•		•
•		•
	8.EE.7	
•		•

		Exit Slip	
	Name:	Date:	:
		Solve the following equation	
	4 (<i>x</i>	(x+2) + x + 1 = 2x - 3 + 3(x + 4)	
•			•
	8.EE.7		
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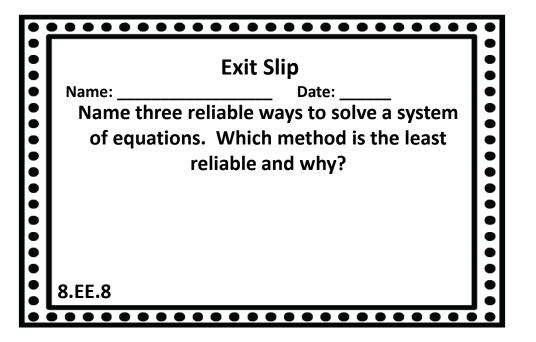
	Exit Slip
Name: _	Date:
	Solve the following equation
4(x -	(x+2) + x + 1 = 2x - 3 + 3(x + 4)
8.EE.7	
••••	• • • • • • • • • • • • • • • • •





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	8.EE.7	

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	Exit Slip	
•	Name: Date:	Ī
•	Name three reliable ways to solve a system	ŀ
	of equations. Which method is the least	Ľ
•	reliable and why?	F
•	remaine and array.	Ľ
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5		ľ
•	8.EE.8	Ľ
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	Exit Slip	
	Name: Date:	
•••••	Name three reliable ways to solve a system of equations. Which method is the least reliable and why?	• • •
	rendere dua wily.	
• •		•
•	8.EE.8	

	Exit Slip
Name:	Date:
Name three rel	iable ways to solve a system
of equations.	Which method is the least
•	liable and why?
	,
8.EE.8	

Exit Slip

Name: _____ Date: ____
Solve the following system by substitution: $\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$ 8.EE.8

	Exit Slip	
Name: Solve the f	Date: following system by substitution:	
	(y=3x-4)	
	$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$	
8.EE.8		

	Exit Slip	ľ
Name:	Date:	
Solve the fo	ollowing system by substitution:	
	$ \begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases} $	
	(y=2x+9	
		ı
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8.EE.8		

	Exit Slip
Name:	Date:
Solve the follo	wing system by substitution:
	$ \begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases} $
	y = 2x + 9
8.EE.8	

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	Exit Slip	
•	Name: Date:	•
	Explain the three different types of	
•	solutions one can get from solving a system	
	of equations.	•
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	8.EE.8	
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•	Name: Date:	
•	Explain the three different types of	•
•	solutions one can get from solving a system	9
•	of equations.	
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	Name: Date:	
•	Explain the three different types of	
	solutions one can get from solving a system	
	of equations.	
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	8.EE.8	

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:	Name: Date:	
•	Explain the three different types of	•
•	solutions one can get from solving a system	
:	of equations.	•
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:	8.EE.8	
• 7		

Exit Slip

Name: _____ Date: ____
Solve the following system by elimination. $\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$ 8.EE.8

	• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	
	Name: Date:	•
•	Solve the following system by elimination.	ě
	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$	•
		•
•		!
		•
	8.EE.8	

•	Exit Slip	•
• • • •	Name: Date:	
•	Solve the following system by elimination.	•
	(2x+y=10	:
•	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$	•
	· · ·	
•		•
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•		•
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	8.EE.8] •
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	Exit Slip
Name:	Date:
	owing system by elimination.
-	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$
	(3x - y = -3)
8.EE.8	

Exit Slip

Name: _____ Date: ____

Solve the following system by graphing. $\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$

	Exit Slip
Name: Solve the fol	Date: lowing system by graphing.
$\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$	4 do
	X
8.EE.8	y

	Exit Slip	
Name:	Date:	
Solve the fo	ollowing system by graphing.	•
$\begin{cases} y = \frac{3}{2}x - 1 \end{cases}$		•
$\begin{cases} y = -\frac{1}{2}x + 3 \end{cases}$		
	X 4 10 4 6 4 3 2 4 6 8 10	•
	3	•
8.EE.8	y	•
0.EE.8		

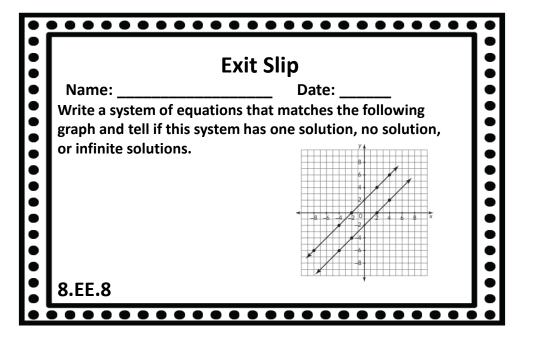
	Exit Slip
Name:	Date:
Solve the	following system by graphing.
$\int y = \frac{3}{2}x - 1$	*
$y = -\frac{1}{2}x + 3$	*
	10 8 6 6 4 2 2 2 4 6 9 10
	-6
8.EE.8	y
8.EE.8	y

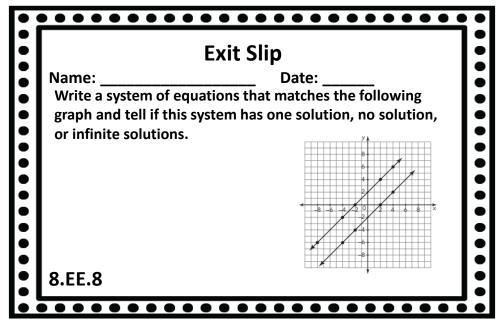
Exit Slip Name: _____ Date: ____ The children's museum sells caps and t-shirts, for a total of 278 items, at its annual fundraiser. They take in a total of \$2110. Caps cost \$8, and t-shirts cost \$7. Let c = number of caps sold, and let t = the number of t-shirts sold. Write a system of equations that the museum staff can use to figure out how many caps and t-shirts were sold. 8.EE.8

	Exit Slip	7
of 278 items, at of \$2110. Caps of number of caps sold. Write a sys	Date: nuseum sells caps and t-shirts, for a total its annual fundraiser. They take in a total cost \$8, and t-shirts cost \$7. Let c = sold, and let t = the number of t-shirts stem of equations that the museum staff e out how many caps and t-shirts were	
8.EE.8		

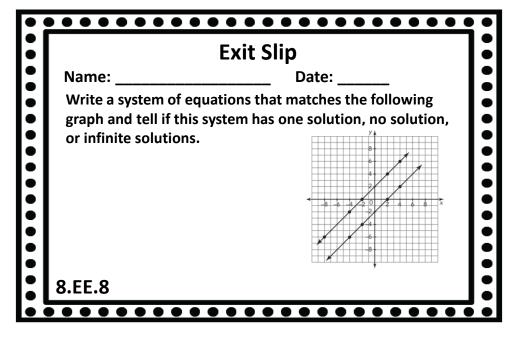
•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
•••••	The children's museum sells caps and t-shirts, for a total of 278 items, at its annual fundraiser. They take in a total of \$2110. Caps cost \$8, and t-shirts cost \$7. Let c = number of caps sold, and let t = the number of t-shirts sold. Write a system of equations that the museum staff can use to figure out how many caps and t-shirts were	•••••
• • • •	sold.	••••
•	8.EE.8	•

•	Exit Slip	
••••••••	Name: Date: The children's museum sells caps and t-shirts, for a total of 278 items, at its annual fundraiser. They take in a total of \$2110. Caps cost \$8, and t-shirts cost \$7. Let c = number of caps sold, and let t = the number of t-shirts sold. Write a system of equations that the museum staff can use to figure out how many caps and t-shirts were sold.	
	8.EE.8	





	Exit Slip
Name:	Date:
•	uations that matches the following system has one solution, no solution,
3.EE.8	

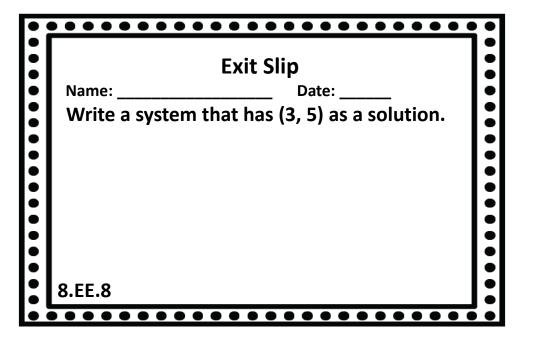


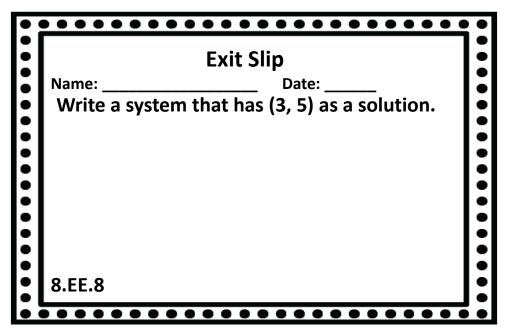
•		
	Exit Slip	
•	Name: Date:	•
	Determine if the ordered pair (2, 1) is a solution to	 :
•	the system of equations.	•
•	$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$:
•	(x+2y=4)	•
•		!
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	0.55.0	:
	8.EE.8] •

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Exit Slip	Ŀ
Name: Date:	ľ
Determine if the ordered pair (2, 1) is a solution	
to the system of equations.	
$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$	
(x+2y=4)	ı
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8.EE.8	
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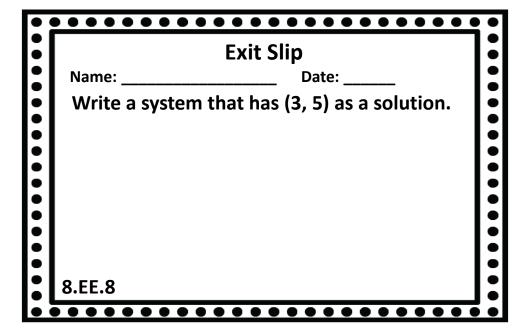
	Exit Slip		
	Name: Date:		
•	Determine if the ordered pair (2, 1) is a solution	•	
	to the system of equations.		
•	$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$		
	(x+2y=4)		
•		•	
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	8.EE.8		
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Exit Slip	
Name:	Date:
Determine if the	ordered pair (2, 1) is a solution
to the system of	equations.
-	$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$
	(x+2y=4)
8.EE.8	
0.00	





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	Exit Slip		
	Name: Date:		
• • • •	Write a system that has (3, 5) as a solution.		
• • • •		• • • •	
• • •	8.EE.8		

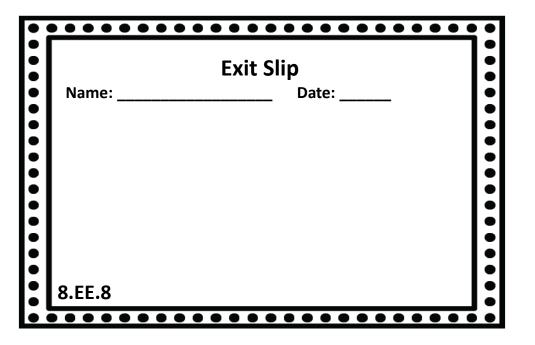


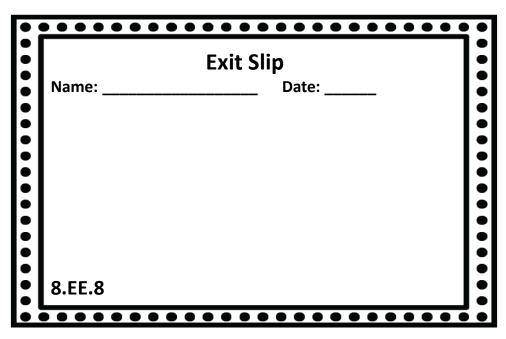
Exit Slip Name: _____ Date: ____ Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.

Exit Slip
Name: Date: Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.
8.EE.8

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Exit Slip	!
Name: Date:	•
Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models	•
the cost of renting a car from each business. Let x = miles and y = cost per day.	•
8.EE.8	
	Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.

•	Exit Slip	•
••••••	Name: Date: Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.	
• • • •	8.EE.8	

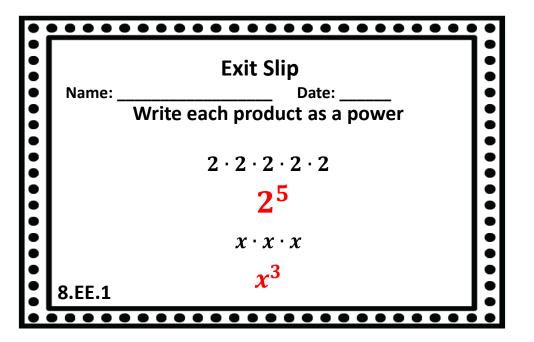


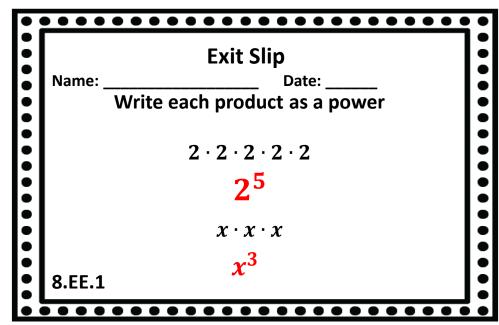


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	8.EE.8		•

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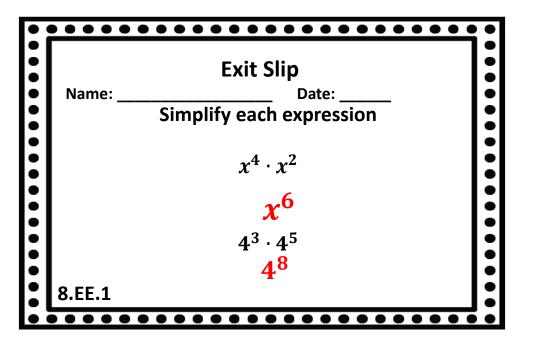
ANSWER KEYS





•	• • •	•••••	
		Exit Slip	
	Name:	Date:	
:		Write each product as a power	•
		$2\cdot 2\cdot 2\cdot 2\cdot 2$	•
		2 ⁵	•
		$x \cdot x \cdot x$	•
	8.EE.1	x^3	•
	0.EE.I		

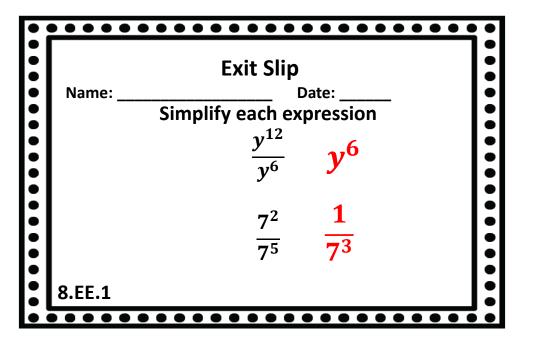
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Name:	Date:	Ľ
	Write each product as a power	
	$2\cdot 2\cdot 2\cdot 2\cdot 2$	Ľ
	2 ⁵	
	$x \cdot x \cdot x$	
	x^3	
8.EE.1		

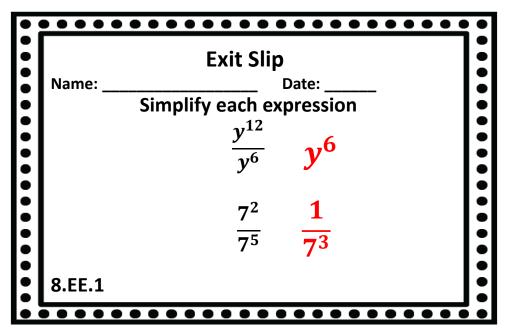


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	Exit Slip	
	Name: Date:	_
	Simplify each expression	
	$x^4 \cdot x^2$	
	x^6	
		1
	4 ³ · 4 ⁵	
	$egin{array}{c} \mathbf{4^3 \cdot 4^5} \\ \mathbf{4^8} \end{array}$	
	8.EE.1	
	0.22.3	

!	• • • •	••••••	•
		Exit Slip	
;	Name:	Date:	
		Simplify each expression	•
			•
		$x^4 \cdot x^2$	
 :		x^{6}	•
		٠, ١	•
		4 ³ · 4 ⁵ 4 ⁸	
 •		4	•
	8.EE.1		•
•			

	Exit Slip	
Name:	Date:	
	Simplify each expression	
	$x^4 \cdot x^2$	
	x ⁶ 4 ³ · 4 ⁵ 4 ⁸	
	$4^3 \cdot 4^5$	
	4 ⁸	
8.EE.1		





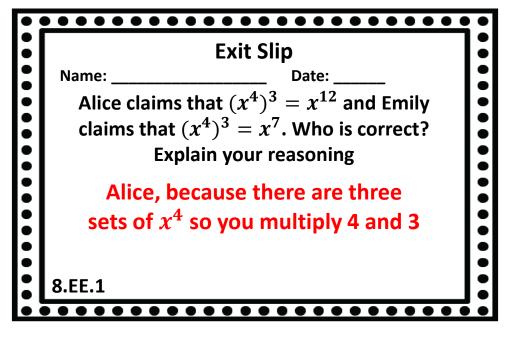
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		Exit Slip	
;	Name:	Date:	
•		Simplify each expression	•
		$\frac{y^{12}}{y^6}$ y^6	•
		$\frac{1}{v^6}$ y^6	•
•			•
		7^2 $\frac{1}{}$	•
•		$\frac{1}{7^5}$ $\frac{7^3}{7^3}$	•
		,	
	8.EE.1		•
		••••••	

	Exit Slip		
Name:	D	ate:	
Sir	mplify each exp	ression	
	y^{12}	y^6	
	$\frac{y^6}{y^6}$	y -	
	<i>J</i>		
	7^2	1	
	7 5	$\overline{7^3}$	
	,	•	
8.EE.1			

Exit Slip Name: _____ Date: ____ Alice claims that $(x^4)^3 = x^{12}$ and Emily claims that $(x^4)^3 = x^7$. Who is correct? Explain your reasoning Alice, because there are three sets of x^4 so you multiply 4 and 3

Exit Slip	
Name: Date:	
Alice claims that $(x^4)^3 = x^{12}$ and Emily	ı
claims that $(x^4)^3 = x^7$. Who is correct?	ı
Explain your reasoning	
Alice, because there are three	
sets of x^4 so you multiply 4 and 3	
8.EE.1	
9.EE.1	

•	Exit Slip	
	Name: Date:	
••••	Alice claims that $(x^4)^3 = x^{12}$ and Emily claims that $(x^4)^3 = x^7$. Who is correct? Explain your reasoning	• • • •
• • • • •	Alice, because there are three sets of x^4 so you multiply 4 and 3	• • • • •
•	8.EE.1	



Exit Slip Name: _____ Date: ____ Rewrite each sequence using the definition of powers. $\frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16$ $2^{-4}, 2^{-3}, 2^{-2}, 2^{-1}, 2^{0}, 2^{1}, 2^{2}, 2^{3}, 2^{4}$ 8.EE.1

Exit Slip	1
Name: Date:	ı
Rewrite each sequence using the definition	ı
of powers.	ı
$ \frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16 $ $ 2^{-4}, 2^{-3}, 2^{-2}, 2^{-1}, 2^{0}, 2^{1}, 2^{2}, 2^{3}, 2^{4} $	
Z , Z , Z , Z , Z , Z , Z , Z	ı
8.EE.1	I

	Exit Slip	•
	Name: Date:	
•	Rewrite each sequence using the definition of powers.	•
•	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 4, 8, 16	•
•	$2^{-4}, 2^{-3}, 2^{-2}, 2^{-1}, 2^{0}, 2^{1}, 2^{2}, 2^{3}, 2^{4}$	•
•	8.EE.1	

	Exit Slip
Name:	Date:
Rewrite each s	equence using the definition of powers.
$\frac{1}{16},\frac{1}{8}$	$\frac{1}{3}, \frac{1}{4}, \frac{1}{2}, 1, 2, 4, 8, 16$
$2^{-4}, 2^{-3}, 2^{-1}$	$x^2, 2^{-1}, 2^0, 2^1, 2^2, 2^3, 2^4$
8.EE.1	

Exit Slip

Name: ______ Date: ____

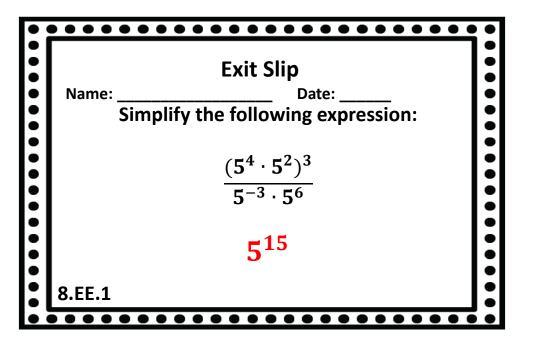
Rewrite the power so the exponent is positive

a. 4^{-5} $\frac{1}{4^{5}}$ b. y^{-2} $\frac{1}{y^{2}}$ c. 8^{-1} $\frac{1}{8^{1}}$

•	••••••	•
	Exit Slip	
	Name: Date:	•
•	Rewrite the power so the exponent is	•
	positive	
	a. 4^{-5} $\frac{1}{4^{-5}}$	•
•	$\frac{4^5}{4^5}$	•
	$b. y^{-2} \frac{1}{}$:
	$\overline{y^2}$:
•	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	•
	8.EE.1	

	Exit Slip
Name:	Date:
Rewrit	te the power so the exponent is
:	positive
$a \cdot 4^{-5}$	$\frac{1}{4^5}$
•	45
b. y^{-2}	$\frac{1}{2}$
•	y^2
$c. 8^{-1}$	$\frac{1}{8^1}$
8.EE.1	8-
• • • • • •	•••••••

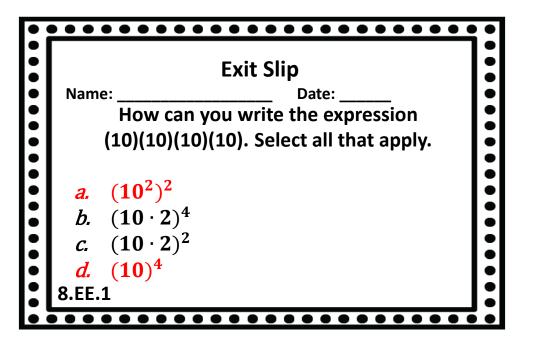
	Exit Slip	
Name:	Date:	
Rewrite	the power so the exponent i	s
	positive	
<i>a.</i> 4 ⁻⁵	$\frac{1}{4^5}$	
$b. y^{-2}$	1	
$c. 8^{-1}$	$\sqrt{\frac{2}{8^1}}$	
8.EE.1	o -	

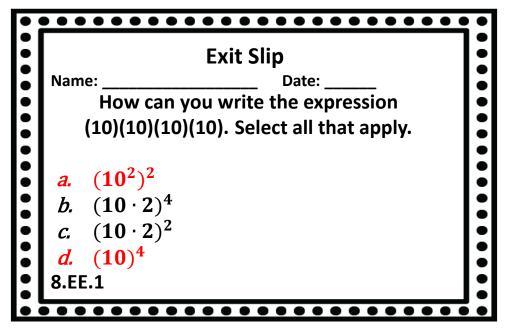


• (• • • • • • • • • • • • • • • • • • • •	•
•	Exit Slip	•
	Name: Date:	
•	Simplify the following expression:	•
•	$(5^4 \cdot 5^2)^3$	•
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	
•	3 3	•
	5 ¹⁵	•
•	5	•
•	8.EE.1	•
•		•

•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	•
:	Name: Date:	
•	Simplify the following expression:	•
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	•
	$5^{-3} \cdot 5^{6}$	•
	5 ¹⁵	•
	8.EE.1	•

	Exit Slip	
Name:	Date:	
Simplify	y the following expression:	
	$(5^4\cdot 5^2)^3$	
	$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$	
	5 ¹⁵	
	3	
8.EE.1		





•	••••••		
	Exit Slip		
	Name: Date:		
•	How can you write the expression	•	
	(10)(10)(10)(10). Select all that apply.		
•		•	
	$a. (10^2)^2$		
	$b. (10 \cdot 2)^4$		
•	$c. (10\cdot 2)^2$		
•	$d. (10)^4$		
	8.EE.1		
	••••••		

	Exit Slip
Name:	Date:
How can	you write the expression
(10)(10)(10)(10). Select all that apply.
	,, , , , , , , , , , , , , , , , , , ,
a. $(10^2)^2$	
b. $(10 \cdot 2)^4$	
$c. (10 \cdot 2)^2$	
$\begin{array}{c c} c. & (10 & 2) \\ d. & (10)^4 \end{array}$	
8.EE.1	

Exit Slip

Name: ______ Date: ____

Simplify each expression using the properties of powers.

1. $2a^5 \cdot 4a^6$ $8a^{11}$ 2. $(10bc^4)^3$ $10^3b^3c^{12}$ 8.EE.1

	Exit Slip	
••••	Name: Date: Simplify each expression using the properties of powers.	
•	1. $2a^5 \cdot 4a^6$ $8a^{11}$	
• • • •	2. $(10bc^4)^3$ $10^3b^3c^{12}$	
	8.EE.1	

		Exit Slip	j :
	Name:	Date:	 :
	Simplify 6	each expression using the	•
	pro	perties of powers.	:
	1. $2a^5 \cdot 4a^6$	$8a^{11}$:
• • •	2. $(10bc^4)^3$	$10^3 b^3 c^{12}$	
	8.EE.1	••••••	

	Exit Slip	7
Name:	Date:	
Simplify e	ach expression using the	
pro	perties of powers.	L
1. $2a^5 \cdot 4a^6$	$8a^{11}$	
2. $(10bc^4)^3$	0 0 40	ı
	$10^3 b^3 c^{12}$	ı
8.EE.1		

Exit Slip Name: _____ Date: ____ Use the term base, power, or exponent to complete each sentence. 1. The exponent of a power is the number of times that the factor is repeatedly multiplied. 2. The base of a power is the repeated factor in a power. 3. An expression used to represent a factor as repeated multiplication is called a power. 8.EE.1

	Exit Slip
Name:	Date:
Use the terr	n base, power, or exponent to
con	nplete each sentence.
1. The expone	ent of a power is the number of
	the factor is repeatedly
multiplied.	• •
•	of a power is the repeated
factor in a	
•	ion used to represent a factor as
•	nultiplication is called a <u>power</u> .
9.EE.iEbeated II	iditiplication is called a <u>power.</u> .

		Exit Slip
3	Name:	Date:
•		Use the term base, power, or exponent to
:		complete each sentence.
•	1.	The exponent of a power is the number of
•		times that the factor is repeatedly
3		multiplied.
•	2.	The <u>base</u> of a power is the repeated
•		factor in a power.
•	3.	An expression used to represent a factor as
	8.EE.1	repeated multiplication is called a <u>power</u> .
•		

	Exit Slip
Name:	Date:
Use the term	n base, power, or exponent to
com	plete each sentence.
1. The expone	nt of a power is the number of
times that t multiplied.	he factor is repeatedly
•	of a power is the repeated
factor in a p	
3. An expressi	on used to represent a factor as
8.EE.1 repeated m	ultiplication is called a <u>power</u> .
••••••	••••••

Exit Slip

Name: _____ Date: ____

Evaluate each expression:

1. $\sqrt{34+2}$ 6

2. $\sqrt{121}+4$ 15

3. $\sqrt{25}+\sqrt{81}$ 14

8.EE.2

	Exit Slip	
Name:	Date:	
	Evaluate each expression:	
1. $\sqrt{34+2}$	6	
2. $\sqrt{121} + 4$	15	
3. $\sqrt{25} + \sqrt{8}$	<u>1</u> 14	
0 55 3		
8.EE.2		

	Exit Slip	
Name:	Date:	
Eva	luate each expression:	
1. $\sqrt{34+2}$	6	
2. $\sqrt{121} + 4$	15	
3. $\sqrt{25} + \sqrt{81}$	14	
8.EE.2		

	Exit Slip	
Name:	Date:	
Eva	luate each expression:	
1. $\sqrt{34+2}$	6	
2. $\sqrt{121} + 4$	15	
3. $\sqrt{25} + \sqrt{81}$	14	
8.EE.2		

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$
 x = -5 and 5

2.
$$b^2 = 100$$
 x = -10 and 10

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$
 x = -5 and 5

2.
$$b^2 = 100$$
 x = -10 and 10

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$
 x = -5 and 5

2.
$$b^2 = 100$$
 x = -10 and 10

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^2 = 25$$
 x = -5 and 5

2.
$$b^2 = 100$$
 x = -10 and 10

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$
 x = -5.9 and 5.9

2.
$$h^2 = 80$$
 x = -8.9 and 8.9

8.EE.2

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$
 x = -5.9 and 5.9

2.
$$h^2 = 80$$
 x = -8.9 and 8.9

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$
 x = -5.9 and 5.9

2.
$$h^2 = 80$$
 x = -8.9 and 8.9

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$a^2 = 13$$
 x = -5.9 and 5.9

2.
$$h^2 = 80$$
 x = -8.9 and 8.9

Exit Slip

Name: _____ Date: ____

Evaluate each expression:

1. $\sqrt[3]{125}$ 5

2. $\sqrt[3]{27} + \sqrt{9}$ 6

8.EE.2

• •	• • • • • • •	••••••	:
•		Exit Slip	ŀ
	Name:	Date:	;
•	Eval	uate each expression:	! :
•	1. $\sqrt[3]{125}$	5	
	2. $\sqrt[3]{27} + \sqrt{9}$	6	:
•			:
	8.EE.2		:
	0.EE.2] •

	Exit Slip	
Name:	Date:	
E	valuate each expression:	
1. $\sqrt[3]{125}$	5	
2. $\sqrt[3]{27} + \sqrt{9}$	6	
8.EE.2		
0.22.2		

E)	xit Slip	;
Name:	Date:	l:
Evaluate 6	each expression:	
1. $\sqrt[3]{125}$ 5		
2. $\sqrt[3]{27} + \sqrt{9}$ 6		
8.EE.2		
	Name:	Evaluate each expression: 1. $\sqrt[3]{125}$ 5 2. $\sqrt[3]{27} + \sqrt{9}$ 6

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

8.EE.2

Exit	ənp
EXIL.	JIIU
	-

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

•••••••••

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$
 2

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$x^3 = 27$$

2.
$$y^3 = 8$$

Exit Slip

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$
 m = 3.6

2.
$$x^3 = 164$$
 $x = 5.5$

8.EE.2

Exit Slip

••••••

Name: _____ Date: ____ Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$
 m = 3.6

2.
$$x^3 = 164$$
 $x = 5.5$

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$
 $m = 3.6$

2.
$$x^3 = 164$$
 x = 5.5

8.EE.2

Exit Slip

Name: _____ Date: ____

Solve each equation. Round your answer to the nearest tenth.

1.
$$m^3 = 45$$
 m = 3.6

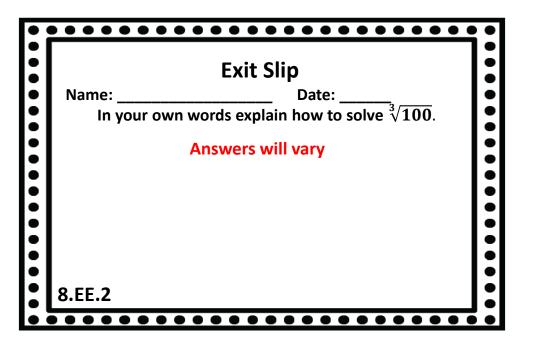
2.
$$x^3 = 164$$
 $x = 5.5$

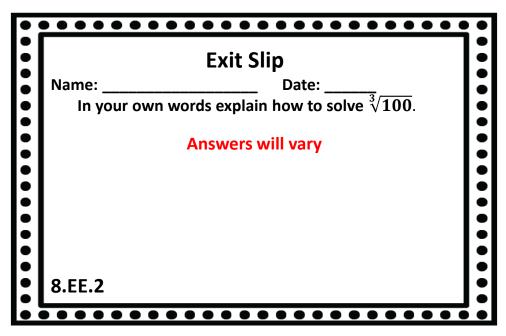
Exit Slip Name: _____ Date: ____ In your own words, write a definition for an irrational number. Be sure to include examples to help support your definition. Answers will vary 8.EE.2

•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
•	Name: Date:	•
•	In your own words, write a definition for an	•
•	irrational number. Be sure to include examples to	•
	help support your definition.	
•		•
•	Answers will vary	•
•		•
•		•
		•
	8.EE.2	•

Exit Slip	•
Name: Date:	
In your own words, write a definition for an	•
irrational number. Be sure to include examples to	
help support your definition.	
Answers will vary	•
7 C. C. C 7	
	•
	•
8.EE.2	•
	Name: Date: In your own words, write a definition for an irrational number. Be sure to include examples to help support your definition. Answers will vary

	Exit Slip
Name:	Date:
In your own	words, write a definition for an
	per. Be sure to include examples to support your definition.
	Answers will vary
8.EE.2	





•		
•	Exit Slip	•
Name:	Date:	•
Name:	vords explain how to solve $\sqrt[3]{100}$.	
:1	Answers will vary	
!		
•		
•		
:		•
• 8.EE.2		
• • • • • • • •		•

	Exit Slip
Name:	Date:
In your ow	n words explain how to solve $\sqrt[3]{100}$.
	Answers will vary
3.EE.2	

Exit Slip

Name: _____ Date: ____

What is the solution to the equation $x^3 = 216?$ A. x = -4B. x = 4C. x = -6D. x = 68.EE.2

Ex	xit Slip	1
Name:	Date:	ı
	Ition to the equation $=216$?	l
A. x = -4		l
B. x = 4		ı
C. $x = -6$		ı
D. $x = 6$		ı
8.EE.2		ı

	Exit Slip]
Name:	Date:	ľ
What is the	solution to the equation	ı
•	$x^3=216?$	
A. $x = -4$		
B. $x=4$		l
C. $x = -6$		
D. $x=6$		ŀ
		ı
8.EE.2		

	Exit Slip] :
Name:	Date:	l:
What is the	solution to the equation	•
	$x^3 = 216$?	:
A. x = -4		:
B. $x=4$:
C. $x = -6$		l:
<i>D.</i> $x = 6$		•
8.EE.2		:
0.66.2]•

Exit Slip

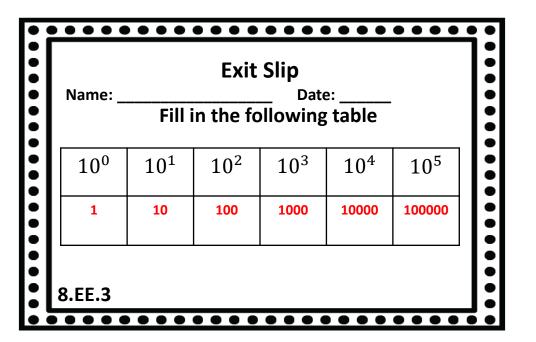
Name: _____ Date: ____
Which shows the solution to $x^2 = 49$?
Select all that apply

A. x = 7B. x = 8C. x = -7D. x = -88.EE.2

Exit Slip	
Name: Date: Which shows the solution to $x^2 = 49$? Select all that apply	
A. $x = 7$ B. $x = 8$ C. $x = -7$ D. $x = -8$	
8.EE.2	

	Exit Slip
Name:	Date:
Which sho	ws the solution to $x^2 = 49$?
	Select all that apply
A. $x = 7$	
B. x = 8	
<i>C.</i> $x = -7$	
<i>D.</i> $x = -8$	
8.EE.2	

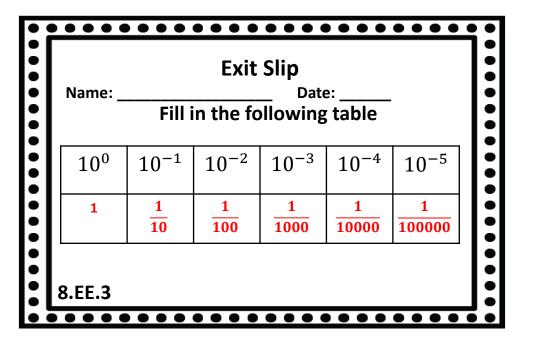
Exit Slip	
Name:	Date:
Which shows	the solution to $x^2 = 49$?
Sele	ect all that apply
A. $x = 7$	
B. $x = 8$	
<i>C.</i> $x = -7$	
<i>D.</i> $x = -8$	
0.55.3	
8.EE.2	

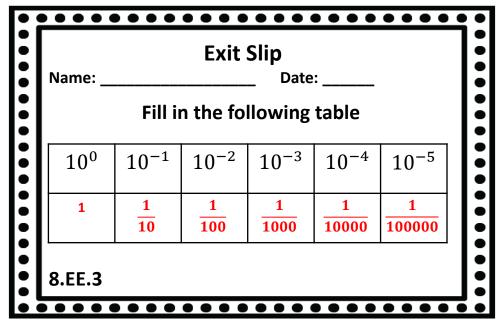


Name:		Exit	Slip _ Date	::			
Fill in the following table							
10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵		
1	10	100	1000	10000	100000		

Name: _		Exit	Slip _ Date	ı:	
	Fill in	the fol	lowing t	able	
10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵
1	10	100	1000	10000	100000

Name: _			Dat		_
	FIII I	n the fo	liowing	table	
10 ⁰	10 ¹	10 ²	10^3	10 ⁴	10 ⁵
1	10	100	1000	10000	100000





Name: _		Exit	Slip _ Date	::		
Fill in the following table						
10 ⁰	10 ⁻¹	10-2	10 ⁻³	10-4	10 ⁻⁵	
1	1/10	1 100	1 1000	1 10000	1 100000	
	•	•	•			
3.EE.3						

Name: _	Exit Slip Name: Date:						
Fill in the following table							
10 ⁰	10 ⁻¹	10-2	10 ⁻³	10-4	10 ⁻⁵		
1	$\frac{1}{10}$	$\frac{1}{100}$	1 1000	$\frac{1}{10000}$	1 100000		

Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

- a. 4.5×10^4 4.5 $\times 10^6$
- b. 3.2×10^3 5.6 $\times 10^4$

8.EE.3

Exit Slip

••••••

Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

a.
$$4.5 \times 10^4$$
 4.5 $\times 10^6$

b.
$$3.2 \times 10^3$$
 5.6 $\times 10^4$

8.EE.3

Exit Slip

Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

- a. 4.5×10^4 4.5 $\times 10^6$
- b. 3.2×10^3 5.6 $\times 10^4$

8.EE.3

Exit Slip

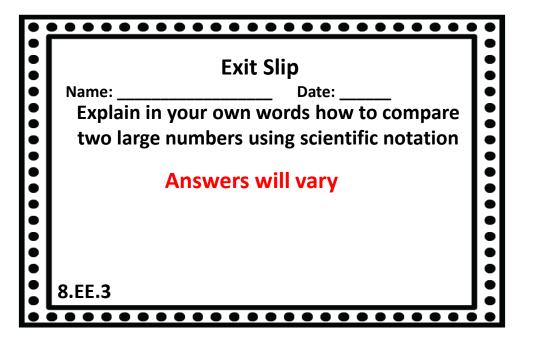
Name: _____ Date: ____

Compare each set of large numbers in scientific notation using the appropriate symbol <, >, or =

••••••

- a. 4.5×10^4 _____ 4.5×10^6
- b. 3.2×10^3 5.6 $\times 10^4$

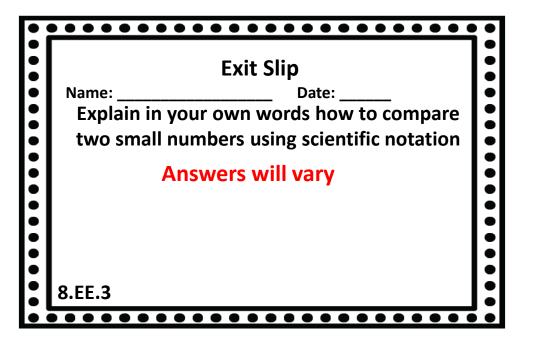
8.EE.3

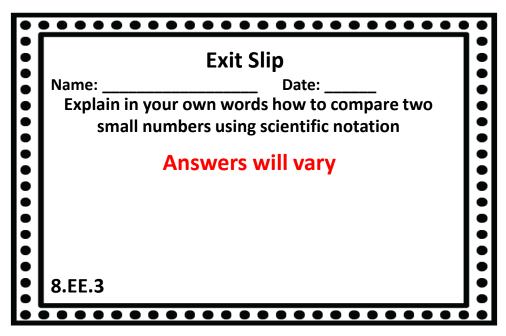


•	• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	
•	Name: Date:	•
•	Explain in your own words how to compare two large numbers using scientific notation	•
•	Answers will vary	
•		•
•	0.55.3	•
	8.EE.3	

	Exit Slip	
	Name: Date:	
•	Explain in your own words how to compare two large numbers using scientific notation	•
	Answers will vary	
	8.EE.3	

•	Exit Slip	ľ
	Name: Date:	
•	Explain in your own words how to compare	1
•	two large numbers using scientific notation	ľ
	Answers will vary	ľ
	,	ľ
		Ŀ
		ľ
	0.55.2	
	8.EE.3	





	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	•
	Name: Date:	
•••••	Explain in your own words how to compare two small numbers using scientific notation	•
•	Answers will vary	•
		•
•		•
	8.EE.3	•
•		•

	Exit Slip	
•	Name: Date: Explain in your own words how to compare two small numbers using scientific notation	
• • • • •	Answers will vary	
	8.EE.3	

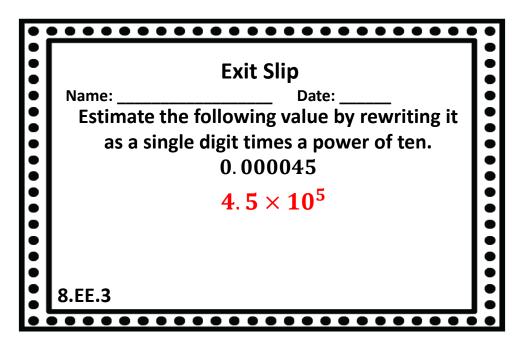
Exit Slip

Name: _____ Date: ____
Estimate the following value by rewriting it as a single digit times a power of ten. 1,845,918 1.85×10^6 8.EE.3

• (• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	•
	Name: Date:	•
•	Estimate the following value by rewriting it	•
	as a single digit times a power of ten.	
•	1,845,918	•
•	$1.85 imes10^6$	•
•		•
		•
	8.EE.3	•

	Exit Slip	
	Name: Date:	 :
•	Estimate the following value by rewriting it	•
•••••	as a single digit times a power of ten.	:
•	1,845,918	!
	1.85×10^6	
		•
		:
•		•
	8.EE.3	•
•		•

	Exit Slip
Name:	Date:
Estimate the	following value by rewriting it
as a single	digit times a power of ten.
	1, 845, 918
	1.85×10^6
8.EE.3	



•••••	•••••	•
Ex	xit Slip	•
Name:	Date:	
Estimate the follow	wing value by rewriting it	•
as a single digit	times a power of ten.	•
0.	000045	•
4.	5×10^5	•
31		•
<u>:</u>		•
31		•
8.EE.3		•
•••••	• • • • • • • • • • • •	•

	Exit Slip	•
	Name: Date:	
	Estimate the following value by rewriting it	•
	as a single digit times a power of ten.	
	0.000045	•
•	$4.5 imes 10^5$	•
	113 / 13	
•		•
 •	8.EE.3	•

Exit Slip	
Date:	
ollowing value by rewriting it	
ligit times a power of ten.	
0.000045	
4.5×10^5	

Name: ______ Date: _____
A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was

Starting Population: 2×10^3 Population After Growth 3×10^8 How many times greater: 1.5×10^5

••••••

8.EE.3

Exit Slip

Name: _____ Date: ____ A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was 80 years ago?

Starting Population: 2×10^3 Population After Growth 3×10^8 How many times greater: 1.5×10^5

Exit Slip

••••••

Name: _____ Date: ____ A small town in Kansas started with a population of 2,300

people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was 80 years ago?

Starting Population: 2×10^3 Population After Growth 3×10^8 How many times greater: 1.5×10^5

8.EE.3

Exit Slip

Name: _____ Date: ____

A small town in Kansas started with a population of 2,300 people 80 years ago. Now, the town has experienced significant growth and has a population of about 3,234,956 people. Approximately how many times larger is the current population in the Kansas town than it was

Starting Population: 2×10^3 Population After Growth 3×10^8

••••••

How many times greater: 1.5×10^5

8.EE.3

•		••••••	
•		Exit Slip	•
•	Name:	Date:	•
	Which has a value gro	eater than 400 but less than 4,000?	
•	$\textbf{A.}\ \textbf{4.}\ \textbf{1}\times\textbf{10}^{3}$	$\textbf{C. 8.34} \times \textbf{10}^{3}$	•
	$B.3.9\times10^4$	D. 3.34×10^3	
•			
•	8.EE.3		•
•		• • • • • • • • • • • •	

•	Exit Slip
Name:	Date:
Name: Which has a value greating at $4.4.1 \times 10^3$ B. 3.9×10^4	ter than 400 but less than 4,000?
A. 4.1×10^3	$\textbf{C.}~\textbf{8.}~\textbf{34}~\times\textbf{10}^{3}$
B. 3.9×10^4	D. 3.34×10^3
- I	
8.EE.3	••••••

Exit Slip	
Name:	Date:
Which has a value great	ter than 400 but less than 4,000?
A. $4.1 imes 10^3$	$C.8.34\times10^3$
B. 3.9×10^4	D. 3.34×10^3
8.EE.3	

Name: _____ Date: ____ In 2016, the population of the United States was approximately 3.24×10^8 . It is expected that the population will be about 3.98×10^8 in 2050. Which shows the growth population, written in scientific notation?

 $A. 7.4 \times 10^{-1}$

C. 7.4×10^8

B. 7.4×10^7

D. 7.4×10^{-2}

8.EE.3

Exit Slip

Name: _____ Date: ____ In 2016, the population of the United States was approximately 3.24×10^8 . It is expected that the population will be about 3.98×10^8 in 2050. Which shows the growth population, written in scientific notation?

A. 7.4×10^{-1}

C. 7.4×10^8

B. 7.4×10^7

D. 7.4×10^{-2}

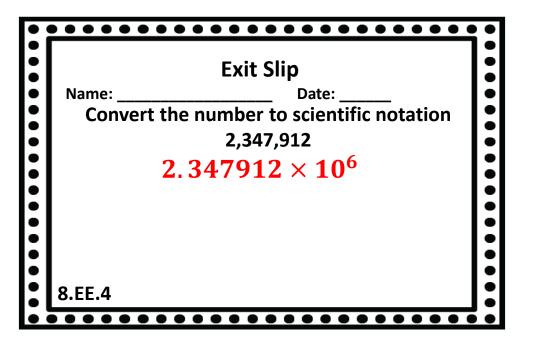
8.EE.3

Exit Slip	
Name:	Date:
• • •	$3.24 imes10^8$. It is expected that the eabout $3.98 imes10^8$ in 2050. Which
shows the grow	th population, written in scientific notation?
shows the grow $\it A. 7.4 imes 10^{-1}$	• • •

••••••

	Exit Slip	•		
Name:	ame: Date:			
In 2016, the population of the United States was		•		
approximately $3.24 imes10^8$. It is expected that the		•		
• •	tion will be about $3.98 imes 10^8$ in 2050. Which			
shows the growt	h population, written in scientific			
	notation?	•		
$A. 7.4 \times 10^{-1}$	4×10^{-1} C. 7.4×10^{8}			
<i>B.</i> 7.4×10^7	D. $7.4 imes 10^{-2}$			
8.EE.3				
• • • • • • •	••••••			

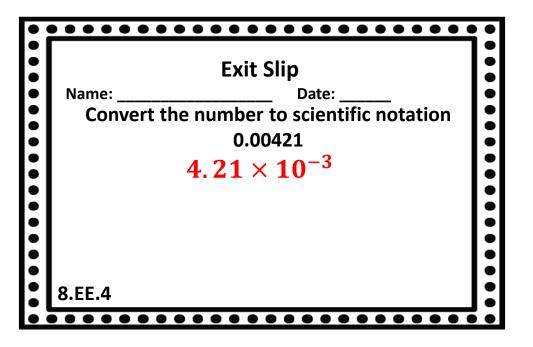
••••••



•		
•	Exit Slip	•
	Name: Date:	
•	Convert the number to scientific notation	•
	2,347,912	•
	2.347912×10^6	
•		•
•		•
•		•
	8.EE.4	

	Exit Slip	
	Name: Date:	:
•	Convert the number to scientific notation	•
	2,347,912	
•	2.347912×10^6	•
•		•
		•
		:
•		•
	8.EE.4	:
•		•

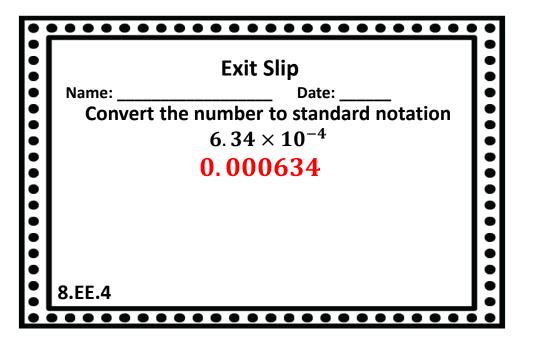
	Exit Slip	
Name:	Date:	
Convert the	number to scientific notation	
	2,347,912	
2	347912×10^{6}	
1	1317 712 × 10	
8.EE.4		
0.00.4		



• (• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	•
	Name: Date:	•
•	Convert the number to scientific notation	•
	0.00421	•
•	4.21×10^{-3}	•
•		•
•		•
•		•
	8.EE.4	

	Exit Slip	
Name:	Date:	Ľ
Convert th	ne number to scientific notation	
:1	0.00421	
•	4.21×10^{-3}	
:1	1121 / 10	Ľ
•		Ŀ
:		ľ
•		9
:		Ľ
8.EE.4		

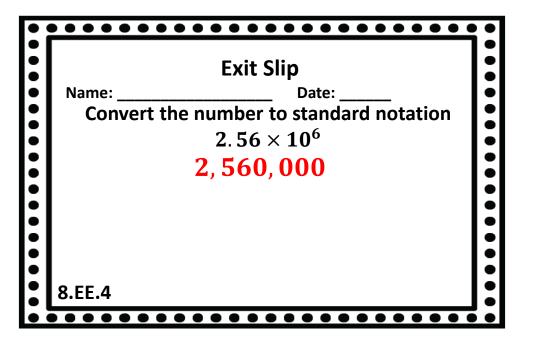
	Exit Slip	
•	Name: Date:	•
•	Convert the number to scientific notation	•
•	0.00421	:
•	4.21×10^{-3}	•
		•
		•
	8.EE.4	•
•		•



•	• • • • • • • • • • • • • • • • • • • •	
•	Exit Slip	•
	Name: Date:	
•	Convert the number to standard notation	•
	6.34×10^{-4}	
•	0.000634	•
•		•
•		•
		•
•		•
•	8.EE.4	
		•

	Exit Slip	
	Name: Date:	•
•	Convert the number to standard notation	•
	6.34×10^{-4}	•
•	0.000634	:
		:
•		•
		•
	0	:
	8.EE.4	•

	Exit Slip	
•	Name: Date: Convert the number to standard notation	
•	$6.34 imes 10^{-4}$	
	0.000634	
•		
	8.EE.4	



•	• • • • • • • • • • • • • • • • • • • •	•
•	Exit Slip	•
	Name: Date:	
•	Convert the number to standard notation	•
	2.56×10^6	
•	2,560,000	•
	2, 200, 000	•
		•
•		•
		•
•	8.EE.4	•

	Exit Slip	•
:	Name: Date:	
	Convert the number to standard notation	•
	$2.56 imes10^6$	5
•	2,560,000	•
		•
•		•
	8.EE.4	•
	• • • • • • • • • • • • • • • • • • • •	•

	Exit Slip
Name:	Date:
Convert t	he number to standard notation
	2.56×10^6
	2,560,000
	2 , 333, 333
8.EE.4	
0.00.4	

Exit Slip Name: _____ Date: ____ Solve the following and make sure to write your answer in scientific notation. $(4.36\times 10^6) + (3.1\times 10^6)$ 7.46×10^6 8.EE.4

Exit Slip	
Name: Date:	•
Solve the following and make sure to write	•
your answer in scientific notation.	
$\left(4.36 \times 10^6\right) + \left(3.1 \times 10^6\right)$	•
7.46×10^6	•
8.EE.4	:

•		
	Exit Slip	•
	Name: Date:	
•	Solve the following and make sure to write	•
	your answer in scientific notation.	
•	$(4.36 \times 10^6) + (3.1 \times 10^6)$	•
	7.46×10^6	•
•		•
	8.EE.4	
•	• • • • • • • • • • • • • • • • • • • •	

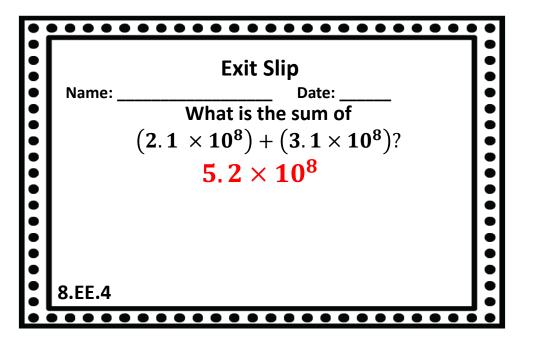
	Exit Slip
Name:	Date:
Solve the foll	owing and make sure to write
your ans	wer in scientific notation.
(4.36	$\times 10^6$) + (3.1 $\times 10^6$)
`	7.46×10^6
8.EE.4	

Exit Slip Name: _____ Date: ____ Solve the following and make sure to write your answer in scientific notation. $(1.5\times10^5)(5\times10^3)$ 7.5×10^8 8.EE.4

•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
•	Name: Date:	1
•	Solve the following and make sure to write	•
•	your answer in scientific notation.	
•	$(1.5 \times 10^5)(5 \times 10^3)$:
•	$7.5 imes 10^8$:
•		
•		
•	8.EE.4	
•		5

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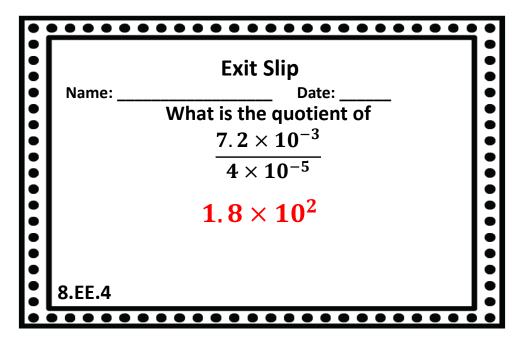
	Exit Slip
Name:	Date:
Solve the follo	wing and make sure to write
your answ	er in scientific notation.
(1.5	$(\times 10^5)(5 \times 10^3)$
	7.5×10^{8}
8.EE.4	
0.66.4	

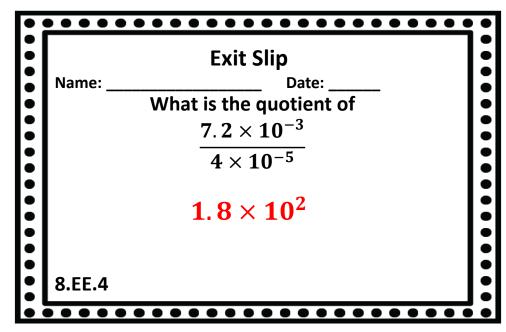


•	• • •	• • • • • • • • • • • • • • • • • • • •	
•		Exit Slip	ŀ
	Name: _	Date:	•
•		What is the sum of	•
•		$(2.1 \times 10^8) + (3.1 \times 10^8)$?	:
		$5.2 imes 10^8$:
			:
•			
•	8.EE.4		 :
	8.EE.4		

	Exit Slip
Nar	me: Date:
•	What is the sum of
:	$(2.1 \times 10^8) + (3.1 \times 10^8)$?
	5.2×10^8
:1	
•	
8.EE	
8.55	

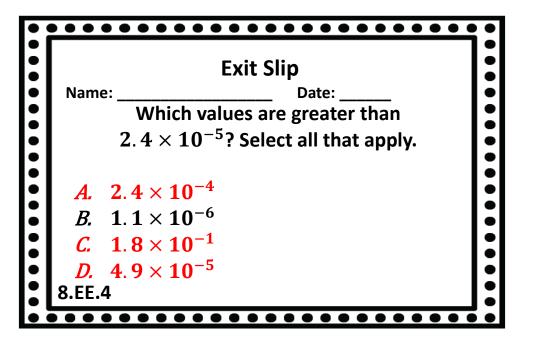
		Exit Slip	
•	Name: .	Date:	•
•		What is the sum of	•
		$(2.1 \times 10^8) + (3.1 \times 10^8)$?	
•		5.2×10^8	•
			•
			•
			•
	8.EE.4		•
-		• • • • • • • • • • • • • • • • • •	

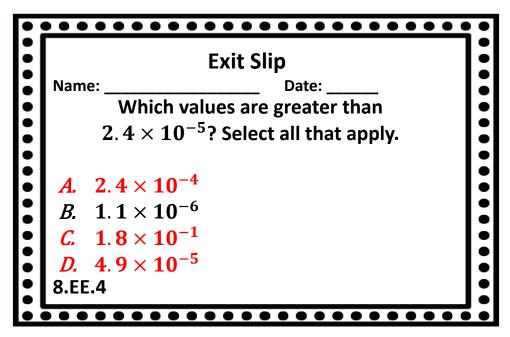




•		•••••	•
		Exit Slip	
	Name:	Date:	
•		What is the quotient of	•
		7.2×10^{-3}	
		4×10^{-5}	
		1.8×10^2	
	8.EE.4		
		••••••	

	Exit Slip	
Name:	Date:	
	What is the quotient of	
	7.2×10^{-3}	
	4×10^{-5}	
	1.8×10^2	
8.EE.4		





Date: s are greater than	
s are greater than	
Select all that apply.	
,	
	Select all that apply.

•	••••••	•••••	•
	Exit	Slip	•
	Name:	Date:	•
•	Which values a	re greater than	•
	$2.4 imes10^{-5}$? Sel	ect all that apply.	
•			•
•	A. 2.4×10^{-4}		•
	B. 1.1×10^{-6}		
•	C. 1.8×10^{-1}		•
	D. 4.9×10^{-5}		•
•	8.EE.4		•
•	••••••	••••••	

Exit Slip

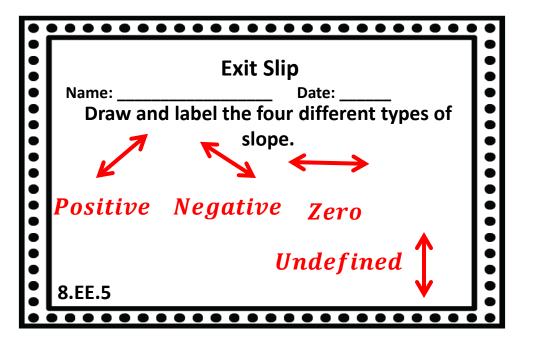
Name: _____ Date: ____

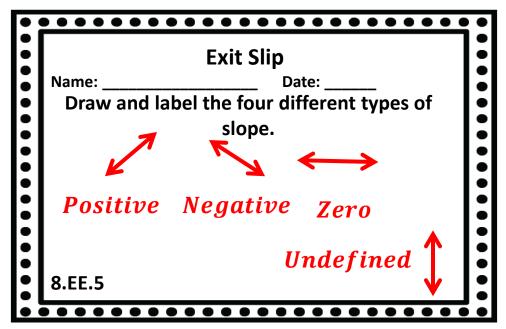
Determine the unknown factors in the following equation: $(2\times10^5)(?\times?) = 8\times10^{12}$ 4×10^7 8.EE.4

Exit Slip	•
Name: Date:	•
Determine the unknown factors in the	•
following equation:	
$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$	•
4×10^7	•
	•
8.EE.4	
	Name: Date: Date: Determine the unknown factors in the following equation: $ (2\times 10^5)(?\times?) = 8\times 10^{12} $ $ 4\times 10^7 $

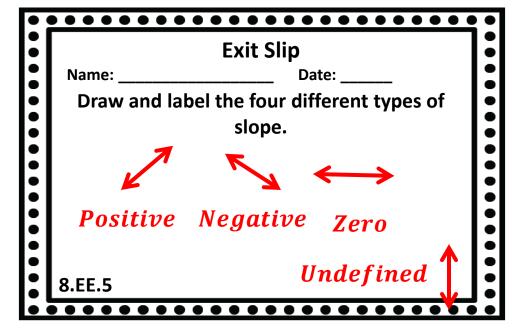
	Exit Slip
Name:	Date:
Determin	ne the unknown factors in the
31	following equation:
(2 ×	$10^5)(?\times?) = 8\times10^{12}$
	4×10^7
8.EE.4	

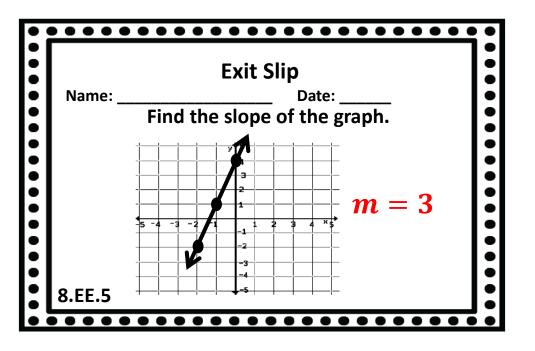
	Exit Slip
Name:	Date:
Determine	the unknown factors in the
f	ollowing equation:
(2×1)	$(0^5)(?\times?) = 8 \times 10^{12}$
	4×10^7
8.EE.4	

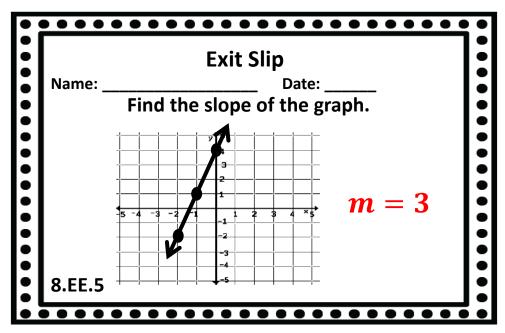




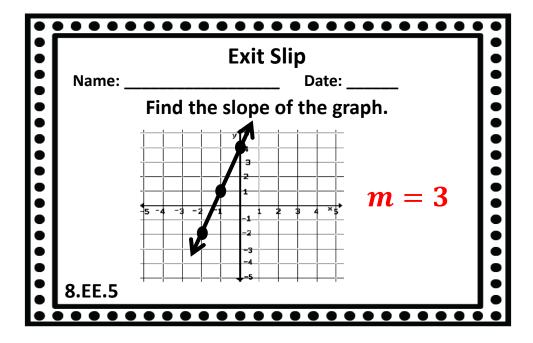
•	• • • • • • •	••••••	•
		Exit Slip	•
	Name:	Date:	
•	Draw and lak	pel the four different types of	•
		slope.	•
•	7	_ '	•
		\sim	•
•		_	•
	Positive	Negative Zero	•
•		<u> </u>	•
•		Undefined T	•
	8.EE.5	o nacy thea	•

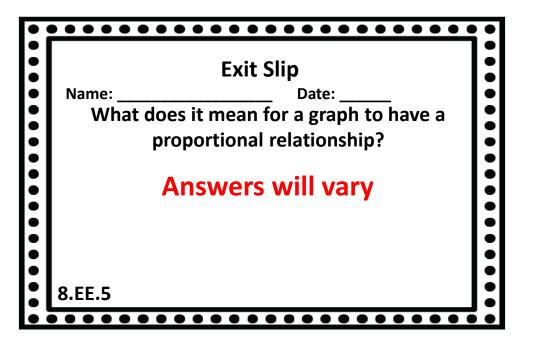


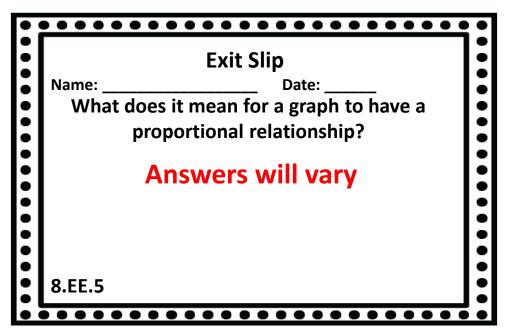




Exit Slip Name: Date:	
Find the slope of the graph.	
	:
m = 3	ŀ
-3 -4 -5	
8.EE.5	

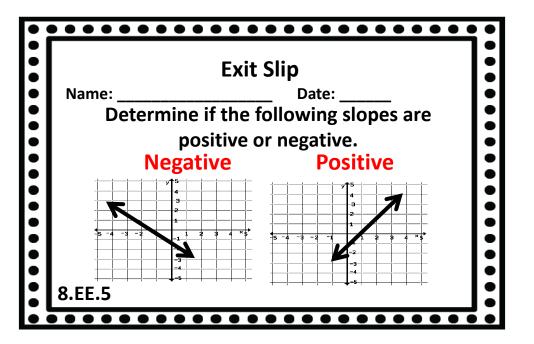


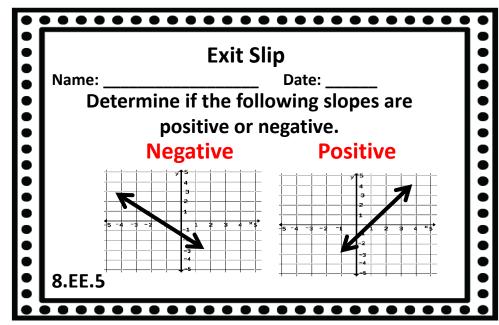


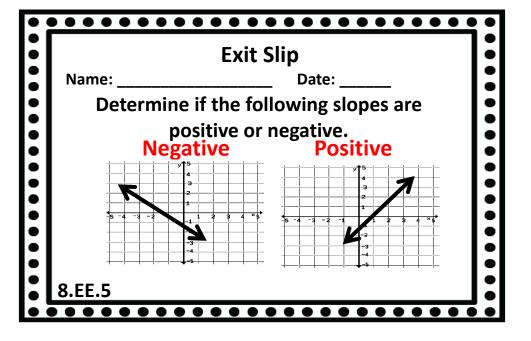


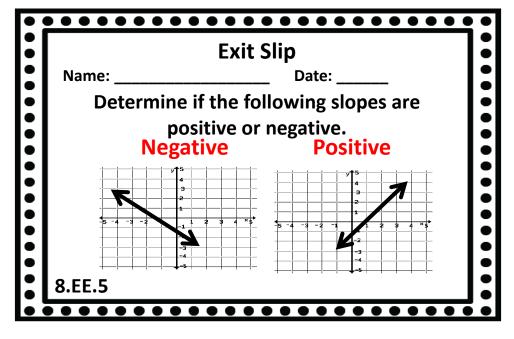
•	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	
	Name: Date:	
•	What does it mean for a graph to have a proportional relationship?	•
•	Answers will vary	•
•		•
•		•
•	8.EE.5	•
	• • • • • • • • • • • • • • • • • • • •	•

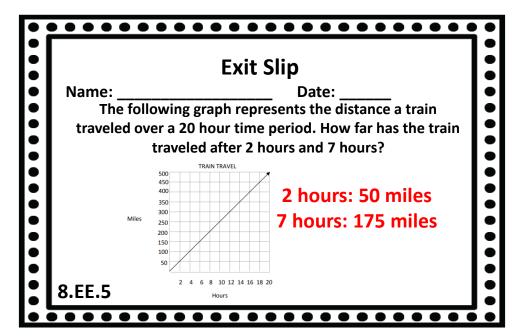
•	Exit Slip	•
•	Name: Date:	
	What does it mean for a graph to have a proportional relationship?	
	Answers will vary	
	8.EE.5	

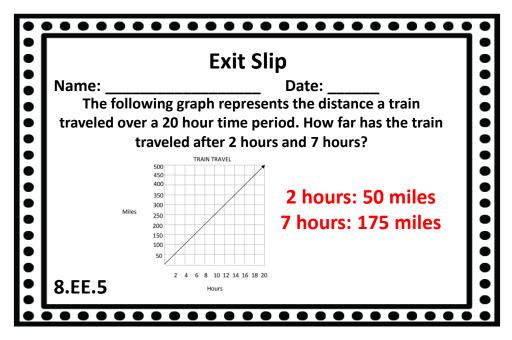


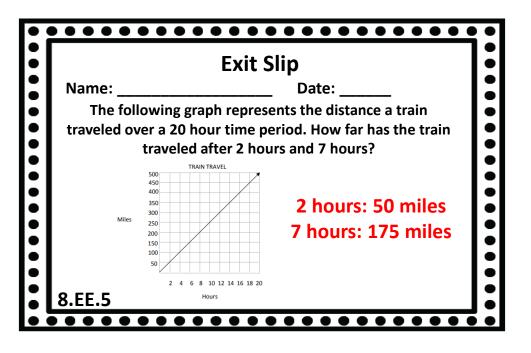


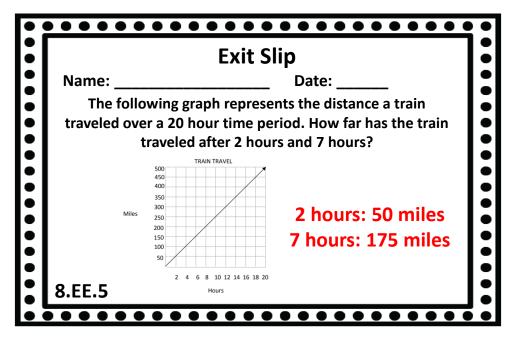


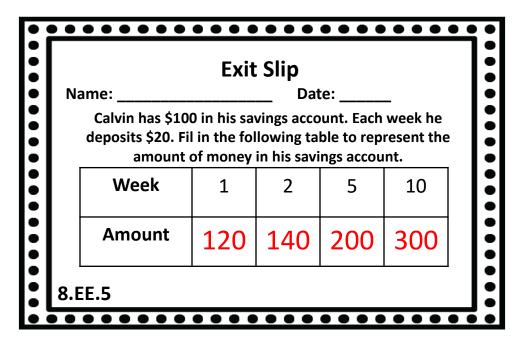


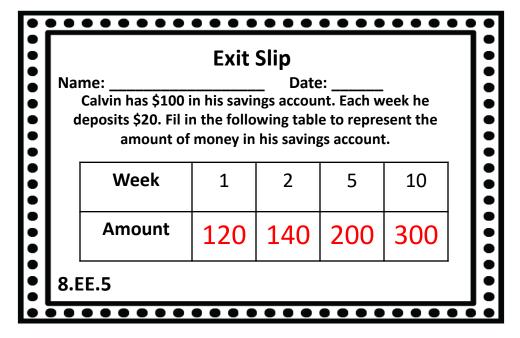


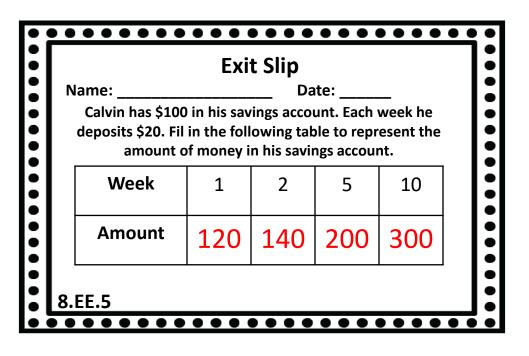












Exit Slip						
Name: Date:						
Calvin has \$100 deposits \$20. Fil amount o		lowing tak	ole to repr	esent the		
Week	1	2	5	10		
Amount	120	140	200	300		
8.EE.5						

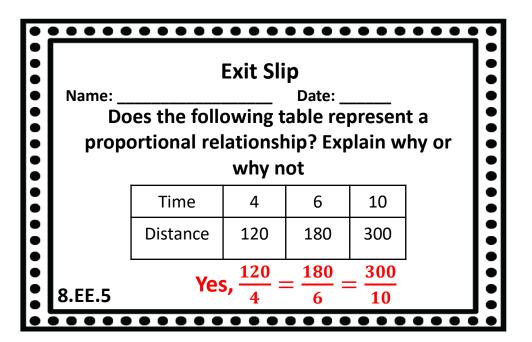
•••••••

Kris would make more money 8.EE.5

•••••• **Exit Slip** Name: Date: Josh works as a lifeguard. The table below shows how much money he earned last week. Kris makes \$9.50 an hour babysitting. Who would make more money for working 10 hours? **Time Worked** 1.5 hours 4 hours **Money Earned** \$13.50 \$36 Kris would make more money 8.EE.5

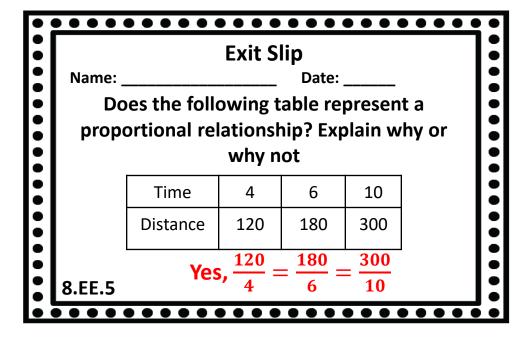
	Exit SI	ip	
much money h	a lifeguard. The e earned last we ing. Who would working 10 h	eek. Kris mak make more r	es \$9.50 an
ime Worked	1.5 hours	4 hours	
Money Earned	\$13.50	\$36	
.EE.5	(ris would m	nake more	money

	Exit Sli	p	
Name: Josh works as a much money he hour babysittin	•	ek. Kris make make more r	es \$9.50 an
Time Worked	1.5 hours	4 hours	
Money Earned	\$13.50	\$36	
•	would make	1 '	oney



		• • • •	••••			; 7	
		Exit Sli	р			I	
Name: _	Name: Date:						
•	Does the following table represent a						
propo	proportional relationship? Explain why or						
l		why no	ot			ı	
	Time	4	6	10			
	Distance	120	180	300			
		120	180	300			
8.EE.5	Ye	$\frac{1}{4}$	$=\frac{1}{6}$	$=\frac{10}{10}$			
8.EE.5	Ye	$\frac{120}{4}$	$=\frac{1}{6}$	=			

		Exit S	lip		
Name: _			Date:		
	es the follo ortional re	_	nip? Exp	•	
	Time	4	6	10	
	Distance	120	180	300	
.EE.5	Yes	$\frac{120}{4} =$	$=\frac{180}{6}=$	300	I

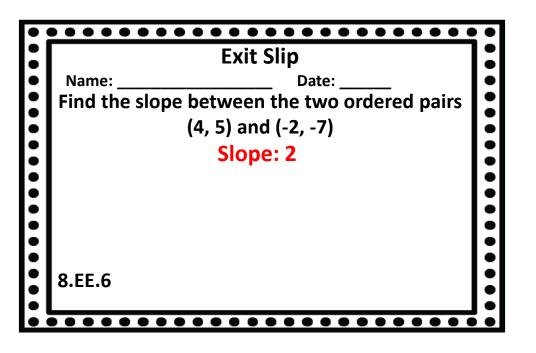


	Exit Slip
	Date: ne if the following statements are true or alse. A proportional relationship
False	_ 1. does not have a constant rate of
True	change. _ 2. is a graph that is linear.
True	_ 3. has a constant ratio of quantities
<u>True</u> 8.EE.5	_ 4. always passes through the origin.

	Exit Slip
	Date: ne if the following statements are true or alse. A proportional relationship
True True True 8.EE.5	 1. does not have a constant rate of change. 2. is a graph that is linear. 3. has a constant ratio of quantities 4. always passes through the origin.

	Exit Slip		
• • • •	Name: Date: Determine if the following statements are true or false. A proportional relationship		
•••••••	False 1. does not have a constant rate of change. True 2. is a graph that is linear. True 3. has a constant ratio of quantities True 4. always passes through the origin. 8.EE.5	•••••••	

	Exit Slip
Name:	Date:
Determi	ne if the following statements are true or
fa	alse. A proportional relationship
False	_ 1. does not have a constant rate of
True	change.
	_ 2. is a graph that is linear.
True	_ 3. has a constant ratio of quantities
True	_ 4. always passes through the origin.
8.EE.5	



•••••	Exit Slip Name: Date: Find the slope between the two ordered pairs (4, 5) and (-2, -7)	•••••
••••••	Slope: 2	••••••
• • • •	8.EE.6	• • • •

	Exit Slip	
-	Name: Date:	•
	Find the slope between the two ordered pairs	•
	(4, 5) and (-2, -7)	•
•	Slope: 2	•
		•
		•
	8.EE.6	•

	Exit Slip
Name:	Date:
Find the slope	between the two ordered pairs
	(4, 5) and (-2, -7)
	Slope: 2
8.EE.6	

Exit Slip

Name: _____ Date: ____
What is the formula for finding the slope between two ordered pairs?

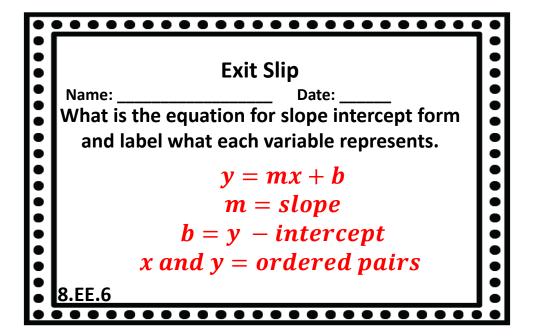
\[\frac{y_2 - y_1}{x_2 - x_1} \]

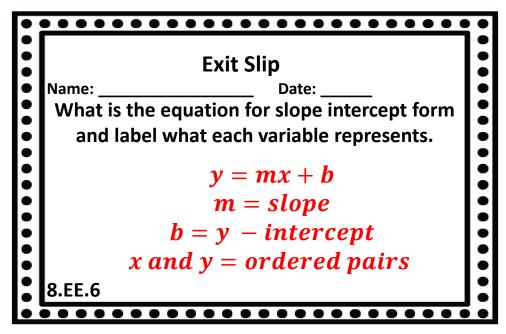
8.EE.6

•	• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	
•	Name: Date:	
•	What is the formula for finding the slope	•
•	between two ordered pairs?	•
•	$y_2 - y_1$:
•	$\overline{x_2-x_1}$	•
•		•
•		•
	8.EE.6	•
•		

	• • • • • • • • • • • • • • • • • • • •	
	Exit Slip	•
	Name: Date:	
••••••••	What is the formula for finding the slope	•
	between two ordered pairs?	•
	$y_2 - y_1$	•
	$\overline{x_2-x_1}$	
•		•
		•
	8.EE.6	

	Exit Slip	•
Name:	Date:	l:
	e formula for finding the slope ween two ordered pairs?	
	$y_2 - y_1$	
	$\overline{x_2-x_1}$	Ŀ
		Ŀ
8.EE.6		
•••••	••••••	





• •	Exit Slip	
•	Name: Date:	•
• • •	What is the equation for slope intercept form and label what each variable represents.	
•	y = mx + b	•
• •	m = slope	
•	b = y - intercept	•
•	x and $y = ordered$ pairs	•
	8.FF.6	:

	Exit Slip	
Na	ame: Date:	:
	hat is the equation for slope intercept form and label what each variable represents.	
	y = mx + b	•
	m = slope	
31	b = y - intercept	
:	x and $y = ordered$ pairs	•
8.E	E.6	

........

Date: ___ Name: Identify the slope and y – intercept of the following equations:

a.
$$y = 4x + 1$$

$$m=4$$
 $b=1$

$$b. \quad y=x-2$$

b.
$$y = x - 2$$
 $m = 1$ $b = -2$

$$m=\frac{1}{3} \quad b=0$$

c.
$$y = \frac{1}{3}x$$

8.FF.6

Exit Slip

Name: _____ Date:

Identify the slope and y – intercept of the following equations:

a.
$$y = 4x + 1$$

$$m=4$$
 $b=1$

b.
$$y = x - 2$$

b.
$$y = x - 2$$
 $m = 1$ $b = -2$

$$c. \quad y = \frac{1}{2}x$$

$$m = \frac{1}{3} \quad b = 0$$

c.
$$y = \frac{1}{3}x$$

8.EE.6

Exit Slip

Name: _____ Date: ____

Identify the slope and y – intercept of the following equations:

Exit Slip

a.
$$y = 4x + 1$$

$$m=4$$
 $b=1$

$$b. \quad y = x - 2$$

b.
$$y = x - 2$$
 $m = 1$ $b = -2$

$$m = \frac{1}{3} \quad b = 0$$

c.
$$y = \frac{1}{2}x$$

Date: _____ Identify the slope and y – intercept of the following equations:

$$a. \quad y = 4x + 1$$

$$m = 4$$
 $b = 1$

b.
$$y = x - 2$$
 $m = 1$ $b = -2$

c.
$$y = \frac{1}{3}x$$
 $m = \frac{1}{3}$ $b = 0$

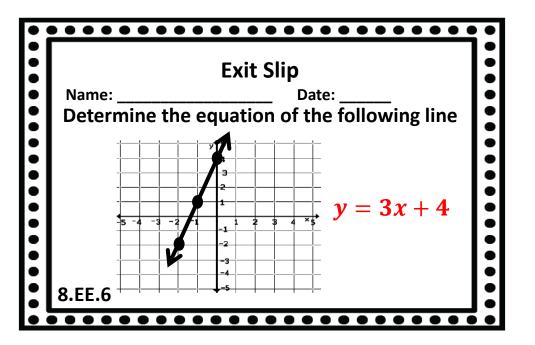
c.
$$y = \frac{1}{3}x$$

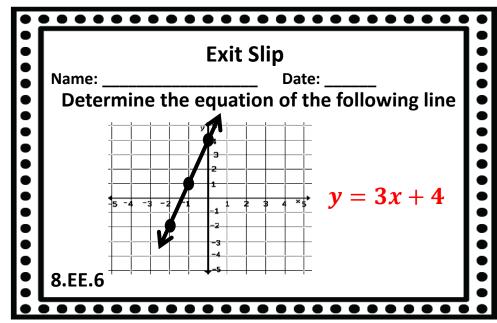
Exit Slip Name: _____ Date: ___ Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line. Answers will vary 8.EE.6

•		
•	Exit Slip	•
•	Name: Date:	•
•	Explain how to use similar triangles to explain	•
	why the slope is the same between any two	
•	points on a linear line.	•
	·	•
•	Answers will vary	•
•		•
•		•
•		•
	8.EE.6	

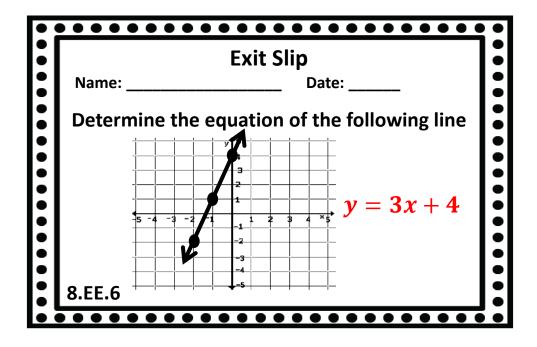
•	••••••••••		
	Exit Slip	•	
	Name: Date:	:	
• • • •	Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line.	•	
• • • •	Answers will vary	•	
	8.EE.6		

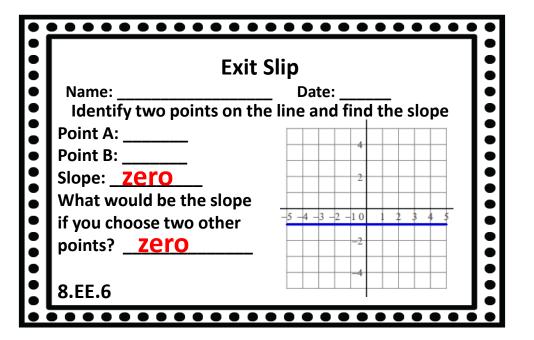
Exit Slip				
Name: Date: Explain how to use similar triangles to explain why the slope is the same between any two points on a linear line.				
	Answers will vary			
8.EE.6				

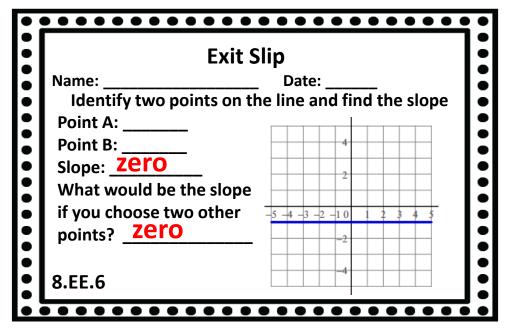




		E	xit Sli	p		
Name:	Date:					
Deterr	nine t	he equ	ation o	of the fo	llowin	g line
-						
- -		3 2				
-		1		y	=3x	+4
=	5 -4 -3 -	1 -1	1 2 3	4 ^5		
_		-3				
]		-5				
8.EE.6						

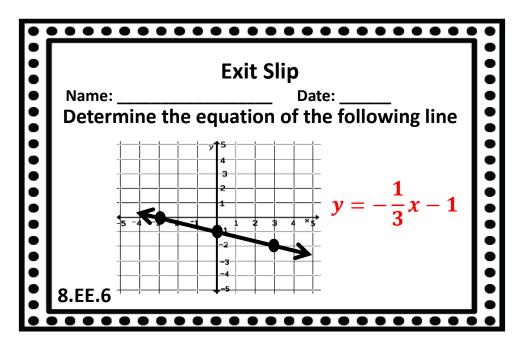


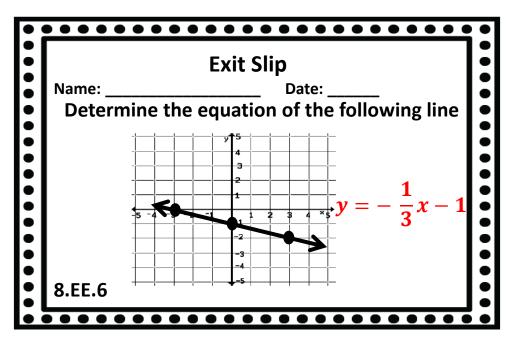




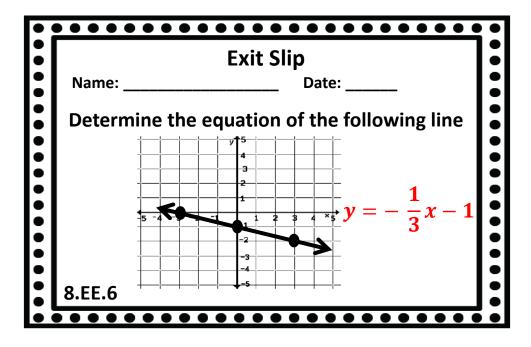
	Exit Slip
Name:	Date:
Identify two points	s on the line and find the slope
Point A:	
Point B:	4
Slope: Zero	2
What would be the	Slope
if you choose two ot	her -5 -4 -3 -2 -1 0 1 2 3 4 5
points? Zero	
	-4
8.EE.6	

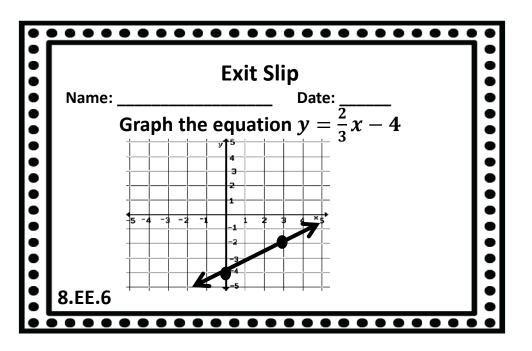
Ex	xit Slip
Name:	Date:
Identify two points or	n the line and find the slope
Point A:	
Point B:	4
Slope: Zero	2
What would be the slop	pe
if you choose two other	r -5 -4 -3 -2 -1 0 1 2 3 4 5
points? Zero	
1	-4
8.EE.6	

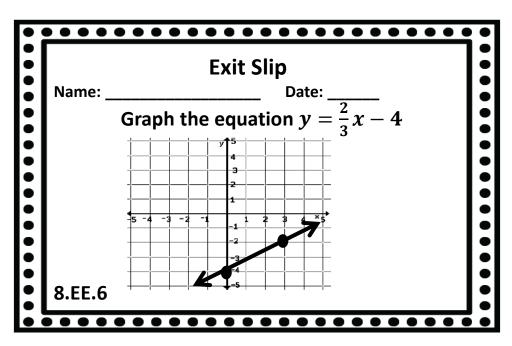


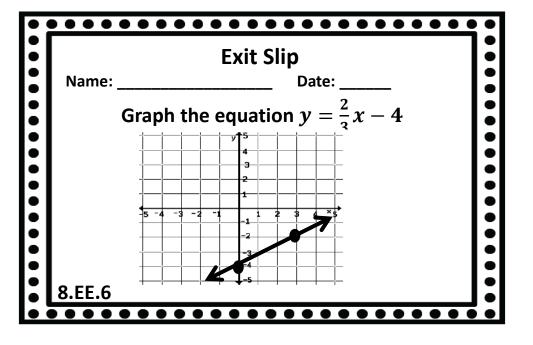


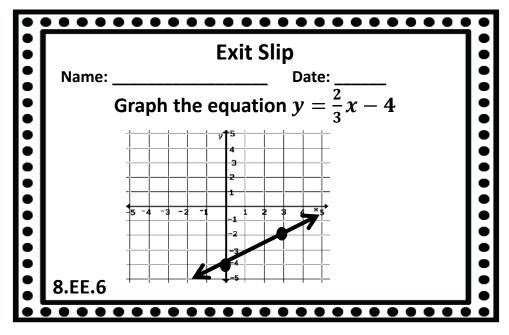
		Exit S	lip	
Name:			Date:	
Determ	ine the o	equation	of the fo	llowing line
† -		y 15		
		3 2		4
<u> </u>	K	1	y =	$=-\frac{1}{3}x-1$
-5	-400	-2	3 4 75	3
		-3		
8.EE.6		-5		











.......

Date: ___ Name:

Simplify the following expressions:

1.
$$3x + 8x + 5$$
 11x + 5

$$11x + 5$$

2.
$$4(x+y)-2y$$
 4x + 2y

$$4x + 2y$$

3.
$$-2y + 5y + 7x - 2x$$
 3y + 5x

$$3y + 5x$$

8.EE.7

Exit Slip

Name: ______ Date:

Simplify the following expressions:

1.
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 11x + 5

$$11x + 5$$

2.
$$4(x+y)-2y$$
 4x + 2y

$$4x + 2y$$

3.
$$-2y + 5y + 7x - 2x$$
 3y + 5x

8.EE.7

Exit Slip

Date: ____ Name: _____

Simplify the following expressions:

••••••

1.
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$$4(x + y) - 2y$$
 $4x + 2y$

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$$3y + 5x$$

Exit Slip

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 11x + 5

2.
$$4(x+y)-2y$$
 4x + 2y

3.
$$-2y + 5y + 7x - 2x$$
 3y + 5x

Exit Slip

Name: ______ Date: ____

Solve the following equation 3(-2x+4) = -6x - 12No Solution

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	Name: _	Date:	
•		Solve the following equation	•
• • •		3(-2x+4) = -6x - 12	•
•		No Solution	•
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10		• • • • • • • • • • • • • • • • •	

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•		Solve the following equation	•
•		3(-2x+4) = -6x - 12	•
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Name:	Exit Slip Date:	
	Solve the following equation	
	3(-2x+4) = -6x - 12	
	No Solution	
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Name: _____ Date: ____
Give an example of what the last line would like with an equation that has:

1. No Solution _____ 2 = 5
2. One Solution _____ x = 8
3. Infinite Solutions ____ 7 = 7

	Exit Slip	
Nam Gi	ne: Date: ve an example of what the last line would like with an equation that has:	
1. 2. 3.	No Solution 2 = 5 One Solution x = 8 Infinite Solutions 7 = 7	
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	Name: Date:	
•••••	Give an example of what the last line would like with an equation that has:	•
	1. No Solution 2 = 5 2. One Solution x = 8	•
• • • •	3. Infinite Solutions 7 = 7	•
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	Exit Slip
Name:	Date:
Give an examp	ole of what the last line would like
•	h an equation that has:
1. No Solutio	n 2 = 5
2. One Soluti	
	utions 7 = 7
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Exit Slip Name: _____ Date: ____ When solving an equation Ashley gets to the last line of his work and is left with "7 = 7". What does this mean? Infinite Solutions 8.EE.7

•	Exit Slip	•
	Name: Date:	
•	When solving an equation Ashley gets to the last	•
	line of his work and is left with "7 = 7". What	•
•	does this mean?	•
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	does this mean.	
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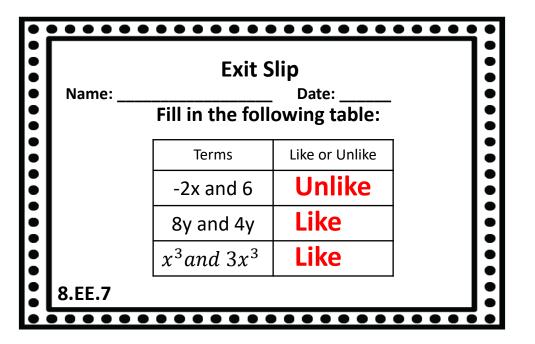
Name: _____ Date: ____

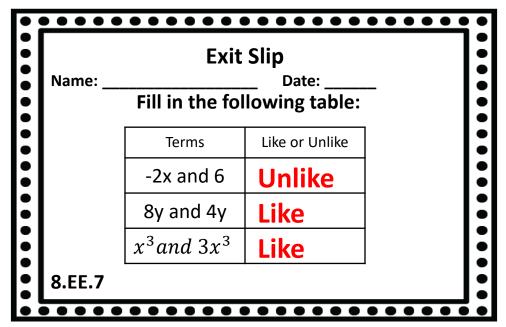
Solve the following equation: -5(x-3)+7x=35 $\mathbf{x}=\mathbf{10}$ 8.EE.7

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•		Solve the following equation:	•
•		-5(x - 3) + 7x = 35	•
		x = 10	
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	Solve the following equation:	
	-5(x - 3) + 7x = 35	
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•	Name:	Date:	•
		Solve the following equation:	•
		-5(x - 3) + 7x = 35	•
•		x = 10	•
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Like or Unlike Unlike	_
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Namo	Exit	Slip		
Name:	Name: Date: Fill in the following table:			
	Terms	Like or Unlike		:
:	-2x and 6	Unlike		:
	8y and 4y	Like		
	x^3 and $3x^3$	Like		
8.EE.7				
	•••••	•••••		

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Name: _____ Date: ____

Solve the following equation: 8x + 4 + 3 = x - 7 x = -2

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•		Solve the following equation:	•
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Name:	Date:	•
	Solve the following equation:	
	8x + 4 + 3 = x - 7	
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8.EE.7]:
		Name: Date: Solve the following equation: $8x + 4 + 3 = x - 7$ $x = -2$

Exit Slip	ı
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the following equation:	ı
x+4+3=x-7	ı
x = -2	ı
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	Date: the following equation: $x + 4 + 3 = x - 7$

Exit Slip

Name: _____ Date: ____

Solve the following equation: 3(x+1) + x + 2 = 4x + 5Infinite Solutions

8.EE.7

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Name: _	Date:	•
	Solve the following equation:	•
	3(x+1) + x + 2 = 4x + 5	
	Infinite Solutions	•
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	Name: _	Name: Date: Solve the following equation: $3(x+1) + x + 2 = 4x + 5$ Infinite Solutions

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	Name:	Date:	
• • •		Solve the following equation:	•
		3(x+1) + x + 2 = 4x + 5	•
		Infinite Solutions	•
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Name:	Date:	-
	Solve the following equation:	
	3(x+1) + x + 2 = 4x + 5	•
	Infinite Solutions	•
		•
8.EE.7		
8.EE.7		• • •

Exit Slip Name: _____ Date: ____ Explain in your own words and give an example of the following words: Coefficient, equation, and variable Answers will vary 8.EE.7

• (• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	
	Name: Date:	•
•	Explain in your own words and give an	•
•	example of the following words:	•
	Coefficient, equation, and variable	•
	Answers will vary	•
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	Name: Date:				
•	Explain in your own words and give an	•			
	example of the following words:				
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examp	le of the following words:	Ľ
•	ent, equation, and variable	
A	nswers will vary	ľ
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Name: ______ Date: ____

Solve the following equation 4(x+2) + x + 1 = 2x - 3 + 3(x + 4)Infinite Solutions

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	Exit Slip	
	Name: Date:	
•	Solve the following equation	•
	4(x+2) + x + 1 = 2x - 3 + 3(x+4)	
	Infinite Solutions	•
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	Name:	Date:	
•		Solve the following equation	•
	4 (<i>x</i>	(x+2) + x + 1 = 2x - 3 + 3(x + 4)	•
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Name: _	Date:
	Solve the following equation
4(x -	(x+2) + x + 1 = 2x - 3 + 3(x + 4)
	Infinite Solutions
8.EE.7	

Exit Slip Name: _____ Date: ____ Name three reliable ways to solve a system of equations. Which method is the least reliable and why? Graphing, Substitution, and Elimination Graphing is the least reliable because it is hard to give an exact answer if there are decimals or fractions 8.EE.8

Exit Slip	
Name: Date:	
Name three reliable ways to solve a system	
of equations. Which method is the least	
reliable and why?	
Graphing, Substitution, and Elimination	
Graphing is the least reliable because it is	
hard to give an exact answer if there are	
decimals or fractions	
8.EE.8	
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	Exit Slip	
	Name: Date:	
•	Name three reliable ways to solve a system	•
	of equations. Which method is the least	
•	reliable and why?	•
•	Graphing, Substitution, and Elimination	
•	Graphing is the least reliable because it is	•
• • •	hard to give an exact answer if there are	
	decimals or fractions	
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Exit Slip	ı
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of equations. Which method is the least	ı
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Graphing, Substitution, and Elimination	
Graphing is the least reliable because it is	ı
hard to give an exact answer if there are	ı
decimals or fractions	ı
8.EE.8	ı

Exit Slip

Name: _____ Date: ____
Solve the following system by substitution: $\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$ (13, 35)

•	• • • • • • • • • • • • • • • • • • • •	•
	Exit Slip	•
	Name: Date:	
•	Solve the following system by substitution:	•
•	6 . 7	•
•	(y-2y-4)	•
	$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$	
•	(y=2x+9)	•
•		•
•	(13, 35)	•
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	Name: Date:	•	
•	Solve the following system by substitution:	•	
	$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$	•	
•	(y=2x+9	•	
	(13, 35)	•	
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	8.EE.8		

Exit Slip
Date:
owing system by substitution:
(y=3x-4)
$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$
(13, 35)

Exit Slip Name: _____ Date: ____ Explain the three different types of solutions one can get from solving a system of equations. One Solution: Intersecting Lines No Solution: Parallel Lines Infinite Solutions: Same Line 8.EE.8

	Exit Slip
Name:	Date:
•	ne three different types of
solutions one	can get from solving a system
	of equations.
One Soluti	on: Intersecting Lines
No Solutio	n: Parallel Lines
Infinite Sol	lutions: Same Line
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	Name: Date:	
• • • •	Explain the three different types of	•
	solutions one can get from solving a system	
•	of equations.	•
	One Solution: Intersecting Lines	•
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Explain th	e three different types of	ŀ
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One Solution	n: Intersecting Lines	l
No Solution	: Parallel Lines	ı
Infinite Solu	tions: Same Line	ı
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Exit Slip

Name: _____ Date: ____
Solve the following system by elimination. $\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$ (1, 8)

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	Exit Slip	
	Name: Date:	
•	Solve the following system by elimination.	•
	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$	
•	5x - y = -3	•
	(1, 8)	•
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	Name: Date:				
•	Solve the following system by elimination.	•			
• • • •	· · · · · · · · · · · · · · · · · · ·				
•	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$	•			
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•	Name: Date:	•
•	Solve the following system by elimination.	•
	(2x+y=10)	•
•	$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$	•
		•
•	(1, 8)	•
		•
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Exit Slip

Name: _____ Date: ____

Solve the following system by graphing. $\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$ (2, 2)

8.EE.8

	Evit Clin	İ
•	Exit Slip Name: Date: Solve the following system by graphing.	
• • • •	$\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$	
• • • •	(2, 2) (2, 4, 6, 8, 10)	
	8.EE.8 +	

	Exit Slip	3
Name:	Date:	ľ
Solve the fo	ollowing system by graphing.	1
$\begin{cases} y = \frac{3}{2}x - 1 \end{cases}$		
$y = -\frac{1}{2}x + 3$	*	
	10 4 6 4 2 2 4 6 8 10	8
(2, 2)		
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Name: Solve the follo	Date: Dwing system by graphing.	•
$\int y = \frac{3}{2}x - 1$		•
$y = -\frac{1}{2}x + 3$	x	•
(2, 2)	4	
8.EE.8		

••••••

Date: Name:

The children's museum sells caps and t-shirts, for a total of 278 items, at its annual fundraiser. They take in a total of \$2110. Caps cost \$8, and t-shirts cost \$7. Let c = number of caps sold, and let t = the number of t-shirts sold. Write a system of equations that the museum staff can use to figure out how many caps and t-shirts were sold.

$$t + c = 278$$

 $9c + 7c = 2110$

••••••

8.EE.8

Exit Slip

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9c + 7c = 21108.EE.8

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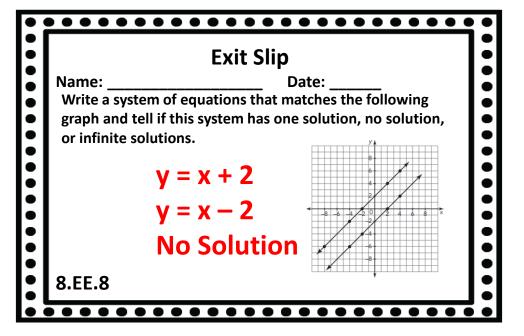
Name: _____ Date: ____

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$$t + c = 278$$

$$9c + 7c = 2110$$

Exit Slip Name: _____ Date: ____ Write a system of equations that matches the following graph and tell if this system has one solution, no solution, or infinite solutions. y = x + 2 y = x - 2No Solution 8.EE.8



Exit Slip			
Name:		Date:	
-	ll if this system has or	matches the following ne solution, no solution,	
У	y = x + 2	B 6 6 4 2 2	
y	y = x - 2	8 6 4/2 0 2 4 6 8 7	
	No Solution	6	
8.EE.8			

	Exit Slip
Name:	Date:
•	uations that matches the following
or infinite solutions.	system has one solution, no solution,
y = x	+ 2
y = x	-2
No So	olution
8.EE.8	

Name: _____ Date: ____ Determine if the ordered pair (2, 1) is a solution to the system of equations.

$$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$$

Yes (2, 1) is a solution

8.EE.8

Exit Slip

••••••

Name: _____ Date: ____ Determine if the ordered pair (2, 1) is a solution

to the system of equations.

$$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$$

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8.EE.8

Exit Slip

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$$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$$

••••••

Yes (2, 1) is a solution

8.EE.8

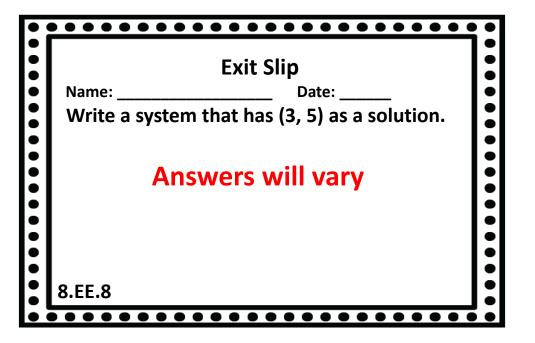
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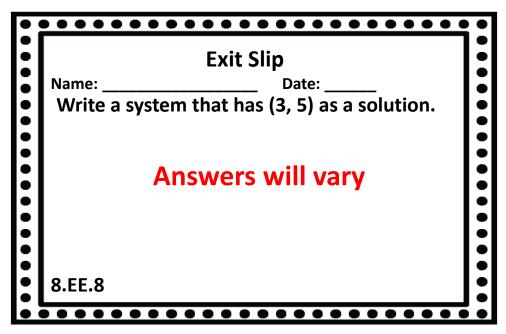
Name: _____ Date: ____

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$$\begin{cases} 2x + 4y = 8 \\ x + 2y = 4 \end{cases}$$

Yes (2, 1) is a solution





	Exit Slip		
	Name: Date:	:	
•••••	Write a system that has (3, 5) as a solution.		
	Answers will vary		
	Alisweis will vary		
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	Name: Date:	:	
•	Write a system that has (3, 5) as a solution.		
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	Answers will vary		
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Name: ______ Date: _____

Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.

$$y = 0.1x + 30$$

y = 0.4x + 10

8.EE.8

Exit Slip

••••••

Name: ______ Date: ____ Rent a Mobile rents cars for \$30 a day, plus \$0.10 per mile. Drive a Jewel rents cars for \$10 a day, plus \$0.40 per mile. Write a system that models the cost of renting a car from each business. Let x = miles and y = cost per day.

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Exit Slip

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8.EE.8

Exit Slip

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$$y = 0.1x + 30$$

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Thank you SO MUCH for purchasing this product!

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~Math in the Midwest

