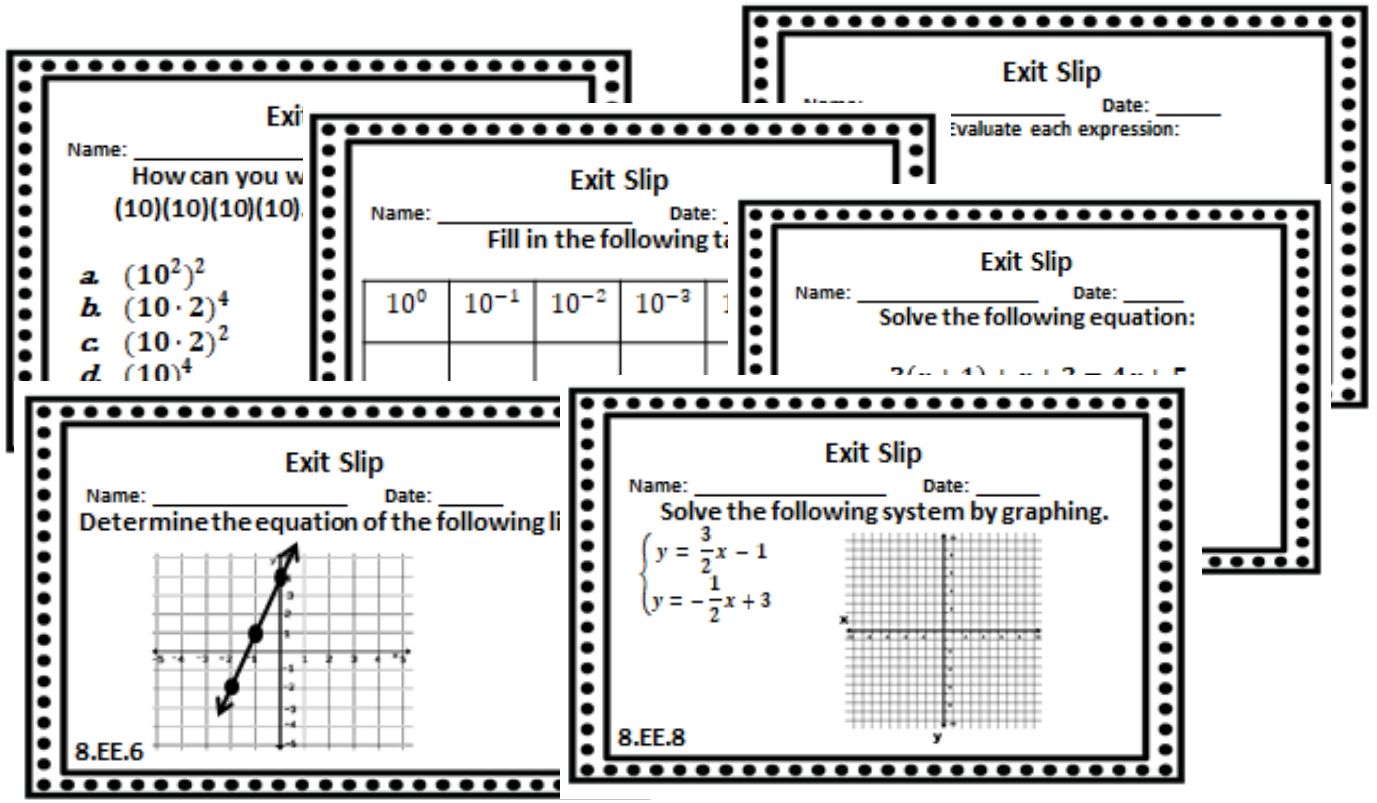
8th Grade Math CCSS
Exit Slips Expressions & Equations



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

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

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

$x \cdot x \cdot x$

8.EE.1

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

$x \cdot x \cdot x$

8.EE.1

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

$x \cdot x \cdot x$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

$4^3 \cdot 4^5$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

$4^3 \cdot 4^5$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

$4^3 \cdot 4^5$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

$4^3 \cdot 4^5$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$$\frac{y^{12}}{y^6}$$

$$\frac{7^2}{7^5}$$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$$\frac{y^{12}}{y^6}$$

$$\frac{7^2}{7^5}$$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$$\frac{y^{12}}{y^6}$$

$$\frac{7^2}{7^5}$$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$$\frac{y^{12}}{y^6}$$

$$\frac{7^2}{7^5}$$

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

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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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

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: _____

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: _____

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: _____

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: _____

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

a. 4^{-5}

b. y^{-2}

c. 8^{-1}

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

a. 4^{-5}

b. y^{-2}

c. 8^{-1}

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

8.EE.1

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8.EE.1

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Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

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. $(10 \cdot 2)^4$
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. $(10 \cdot 2)^2$
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. $(10 \cdot 2)^2$
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

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

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

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

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

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.
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8.EE.1

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

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

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

Exit Slip

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

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. $b^2 = 100$

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. $a^2 = 13$
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. $h^2 = 80$

8.EE.2

Exit Slip

Name: _____ **Date:** _____

Evaluate each expression:

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

8.EE.2

Exit Slip

Name: _____ **Date:** _____

Evaluate each expression:

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

8.EE.2

Exit Slip

Name: _____ **Date:** _____

Evaluate each expression:

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

8.EE.2

Exit Slip

Name: _____ **Date:** _____

Evaluate each expression:

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

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. $y^3 = 8$

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. $m^3 = 45$
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. $x^3 = 164$

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: _____

In your own words, write a definition for an irrational number. Be sure to include examples to help support your definition.

8.EE.2

Exit Slip

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In your own words, write a definition for an irrational number. Be sure to include examples to help support your definition.

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.

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.

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: _____

In your own words explain how to solve $\sqrt[3]{100}$.

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: _____

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$
B. $x = 8$
C. $x = -7$
D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$
B. $x = 8$
C. $x = -7$
D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$
B. $x = 8$
C. $x = -7$
D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$
B. $x = 8$
C. $x = -7$
D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

8.EE.2

Exit Slip

Name: _____ Date: _____

8.EE.2

Exit Slip

Name: _____ Date: _____

8.EE.2

Exit Slip

Name: _____ Date: _____

8.EE.2

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:** _____

Fill in the following 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:** _____

Fill in the following 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:** _____

Fill in the following 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:** _____

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. 4.5×10^4 _____ 4.5×10^6

b. 3.2×10^3 _____ 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. 4.5×10^4 _____ 4.5×10^6

b. 3.2×10^3 _____ 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. 4.5×10^4 _____ 4.5×10^6

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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 _____ 5.6×10^4

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 large numbers 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 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

8.EE.3

Exit Slip

Name: _____ Date: _____

Explain in your own words how to compare two small 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

8.EE.3

Exit Slip

Name: _____ Date: _____

Explain in your own words how to compare two small numbers using scientific notation

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

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

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

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

Exit Slip

Name: _____ Date: _____

Estimate the following value by rewriting it as a single digit times a power of ten.

0.000045

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

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

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

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

Exit Slip

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8.EE.3

Exit Slip

Name: _____ Date: _____

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8.EE.3

Exit Slip

Name: _____ Date: _____

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8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

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:** _____

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

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8.EE.3

Exit Slip

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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

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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: _____

8.EE.3

Exit Slip

Name: _____ Date: _____

8.EE.3

Exit Slip

Name: _____ Date: _____

8.EE.3

Exit Slip

Name: _____ Date: _____

8.EE.3

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

2,347,912

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

2,347,912

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

2,347,912

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

2,347,912

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

0.00421

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

0.00421

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

0.00421

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to scientific notation

0.00421

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

6.34×10^{-4}

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

6.34×10^{-4}

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

6.34×10^{-4}

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

6.34×10^{-4}

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

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

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

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

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

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

8.EE.4

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

8.EE.4

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

8.EE.4

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

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

Exit Slip

Name: _____ Date: _____

What is the sum of

$(2.1 \times 10^8) + (3.1 \times 10^8)$?

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

Exit Slip

Name: _____ Date: _____

What is the sum of

$(2.1 \times 10^8) + (3.1 \times 10^8)$?

8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

8.EE.4

Exit Slip

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: _____

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: _____

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: _____

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: _____

Determine the unknown factors in the following equation:

$$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

Determine the unknown factors in the following equation:

$$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

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$$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

Determine the unknown factors in the following equation:

$$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$$

8.EE.4

Exit Slip

Name: _____ Date: _____

8.EE.4

Exit Slip

Name: _____ Date: _____

8.EE.4

Exit Slip

Name: _____ Date: _____

8.EE.4

Exit Slip

Name: _____ Date: _____

8.EE.4

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

8.EE.5

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

8.EE.5

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

8.EE.5

Exit Slip

Name: _____ Date: _____

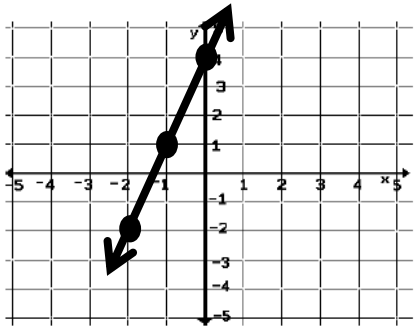
Draw and label the four different types of slope.

8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.

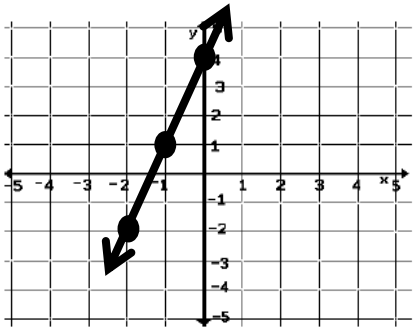


8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.

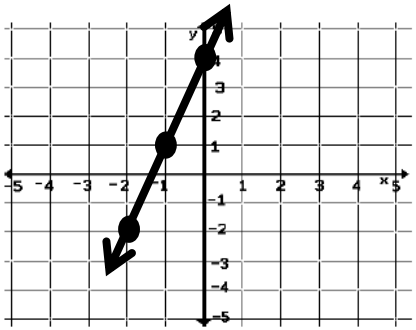


8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.

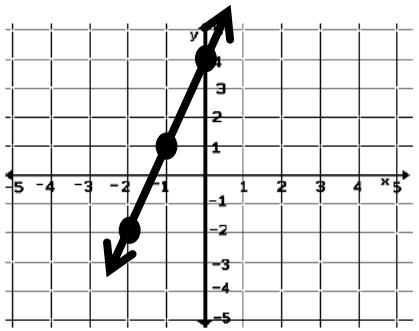


8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.



8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

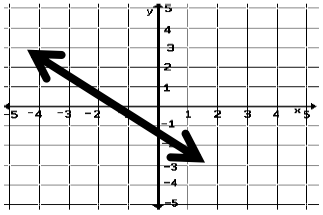
What does it mean for a graph to have a proportional relationship?

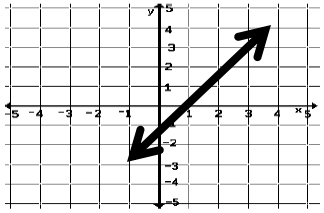
8.EE.5

Exit Slip

Name: _____ **Date:** _____

Determine if the following slopes are positive or negative.



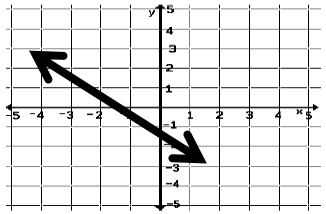


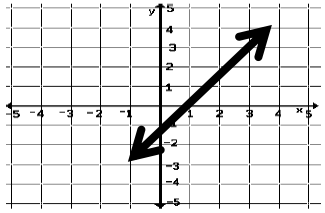
8.EE.5

Exit Slip

Name: _____ **Date:** _____

Determine if the following slopes are positive or negative.



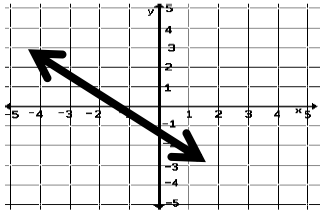


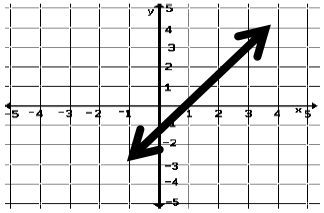
8.EE.5

Exit Slip

Name: _____ **Date:** _____

Determine if the following slopes are positive or negative.



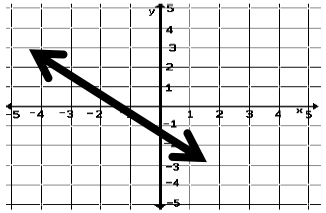


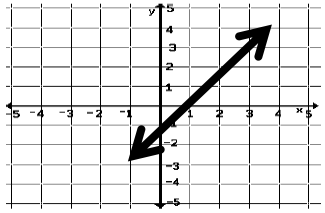
8.EE.5

Exit Slip

Name: _____ **Date:** _____

Determine if the following slopes are positive or negative.



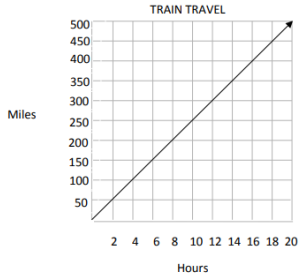


8.EE.5

Exit Slip

Name: _____ Date: _____

The following graph represents the distance a train traveled over a 20 hour time period. How far has the train traveled after 2 hours and 7 hours?

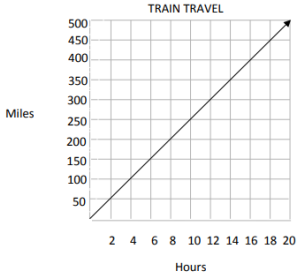


8.EE.5

Exit Slip

Name: _____ Date: _____

The following graph represents the distance a train traveled over a 20 hour time period. How far has the train traveled after 2 hours and 7 hours?



8.EE.5

Exit Slip

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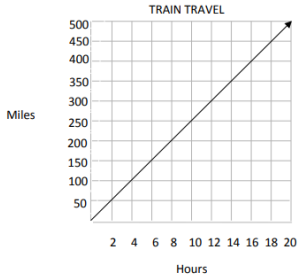
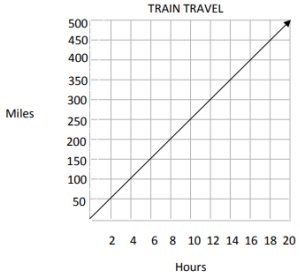


8.EE.5

Exit Slip

Name: _____ Date: _____

The following graph represents the distance a train traveled over a 20 hour time period. How far has the train traveled after 2 hours and 7 hours?



8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

Week	1	2	5	10
Amount				

8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

Week	1	2	5	10
Amount				

8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

Week	1	2	5	10
Amount				

8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

Week	1	2	5	10
Amount				

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

8.EE.5

Exit Slip

Name: _____ Date: _____

What does it mean for a graph to have a proportional relationship?

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

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

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

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

8.EE.5

Exit Slip

Name: _____ **Date:** _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

8.EE.5

Exit Slip

Name: _____ **Date:** _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

8.EE.5

Exit Slip

Name: _____ **Date:** _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

8.EE.5

Exit Slip

Name: _____ **Date:** _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

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: _____

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: _____

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: _____

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: _____

8.EE.5

Exit Slip

Name: _____ Date: _____

8.EE.5

Exit Slip

Name: _____ Date: _____

]

8.EE.5

Exit Slip

Name: _____ Date: _____

8.EE.5

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)

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: _____

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 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: _____

What is the equation for slope intercept form and label what each variable represents.

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: _____

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: _____

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: _____

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: _____

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: _____

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: _____ 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

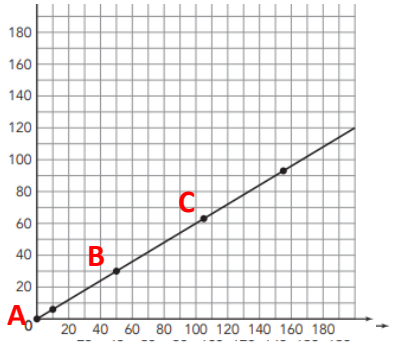
Name: _____ Date: _____

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: _____ Date: _____



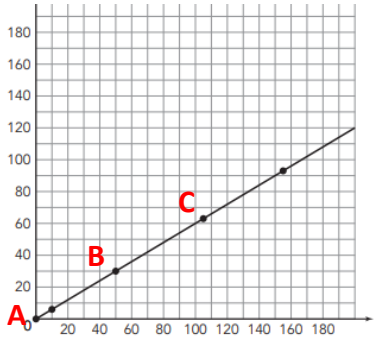
Find the slope between point A and B

Find the slope between point B and C

8.EE.6

Exit Slip

Name: _____ Date: _____



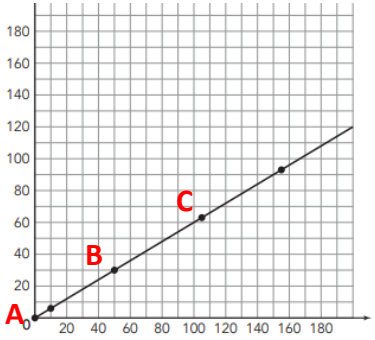
Find the slope between point A and B

Find the slope between point B and C

8.EE.6

Exit Slip

Name: _____ Date: _____



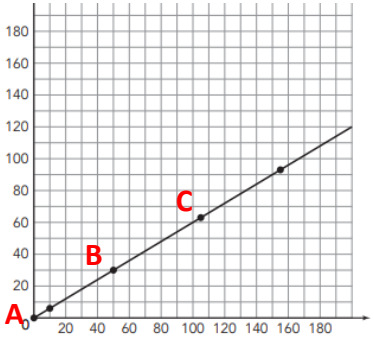
Find the slope between point A and B

Find the slope between point B and C

8.EE.6

Exit Slip

Name: _____ Date: _____



Find the slope between point A and B

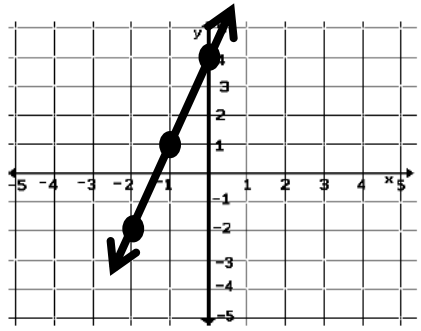
Find the slope between point B and C

8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line

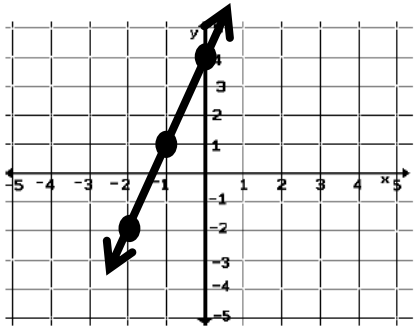


8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line

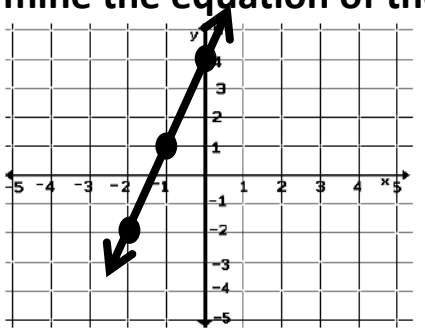


8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line

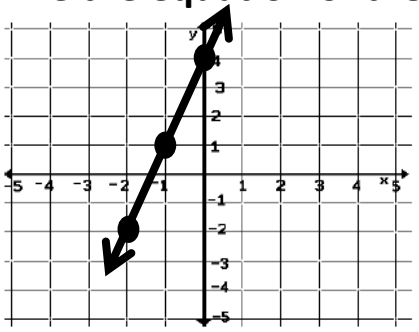


8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line



8.EE.6

Exit Slip

Name: _____ Date: _____

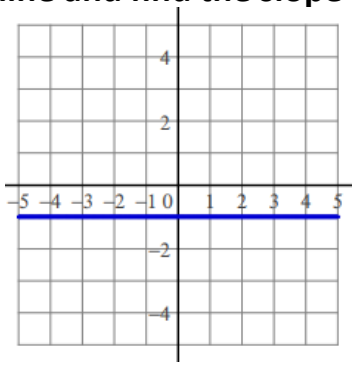
Identify two points on the line and find the slope

Point A: _____

Point B: _____

Slope: _____

What would be the slope if you choose two other points? _____



8.EE.6

Exit Slip

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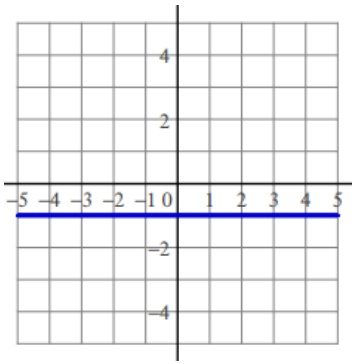
Identify two points on the line and find the slope

Point A: _____

Point B: _____

Slope: _____

What would be the slope if you choose two other points? _____



8.EE.6

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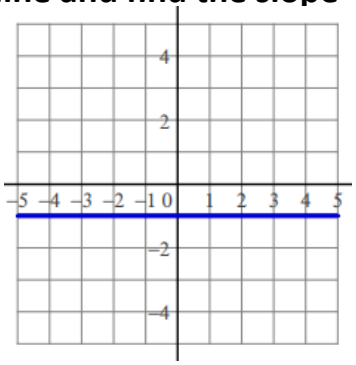

8.EE.6

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Point A: _____

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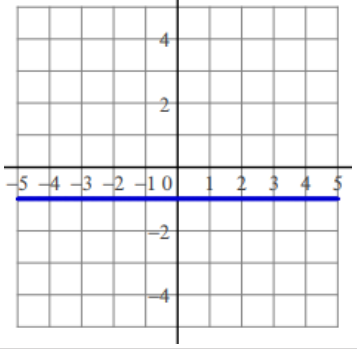

8.EE.6

Exit Slip

Name: _____ Date: _____

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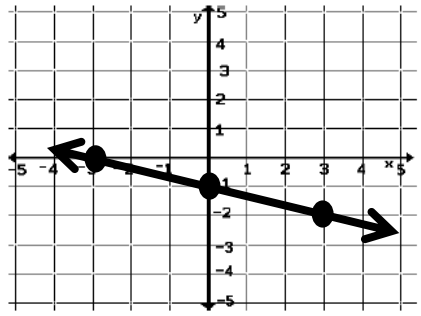
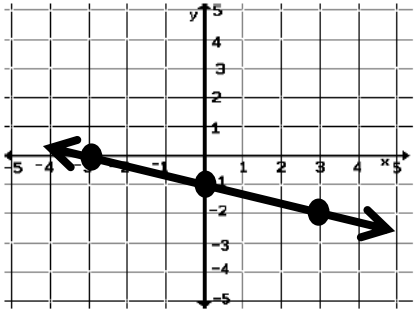


8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line



8.EE.6

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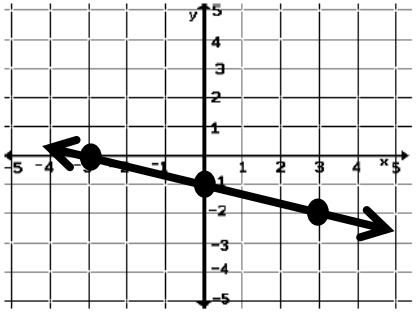
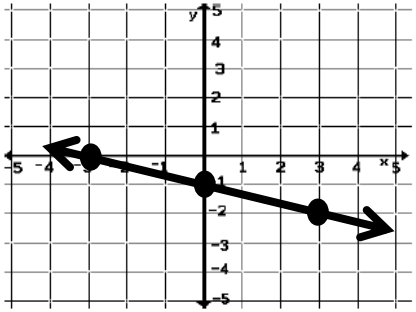


8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line

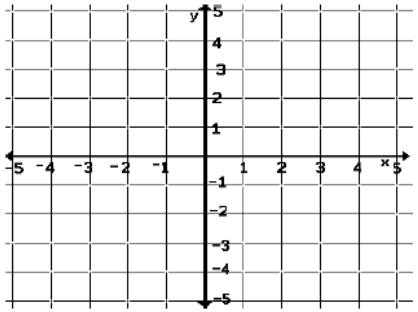


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$

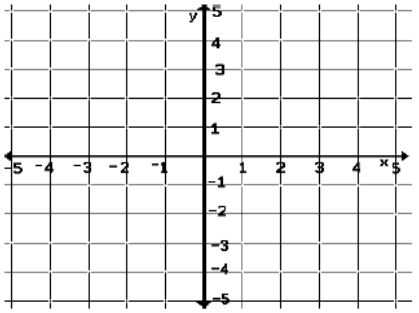


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$

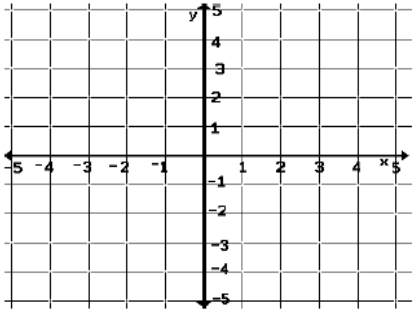


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$

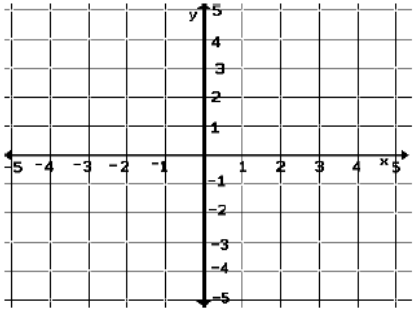


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$



8.EE.6

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: _____

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

$$3(-2x + 4) = -6x - 12$$

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation

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8.EE.7

Exit Slip

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Solve the following equation

$$3(-2x + 4) = -6x - 12$$

8.EE.7

Exit Slip

Name: _____ Date: _____

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 _____

8.EE.7

Exit Slip

Name: _____ Date: _____

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1. No Solution _____
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8.EE.7

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8.EE.7

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1. No Solution _____
2. One Solution _____
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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?

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

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8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$-5(x - 3) + 7x = 35$$

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$-5(x - 3) + 7x = 35$$

8.EE.7

Exit Slip

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8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$-5(x - 3) + 7x = 35$$

8.EE.7

Exit Slip

Name: _____ **Date:** _____

Fill in the following table:

Terms	Like or Unlike
-2x and 6	
8y and 4y	
$x^3 and\ 3x^3$	

8.EE.7

Exit Slip

Name: _____ **Date:** _____

Fill in the following table:

Terms	Like or Unlike
-2x and 6	
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$x^3 and\ 3x^3$	

8.EE.7

Exit Slip

Name: _____ **Date:** _____

Fill in the following table:

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8.EE.7

Exit Slip

Name: _____ **Date:** _____

Fill in the following table:

Terms	Like or Unlike
-2x and 6	
8y and 4y	
$x^3 and\ 3x^3$	

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$8x + 4 + 3 = x - 7$$

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

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8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$8x + 4 + 3 = x - 7$$

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$3(x+1)+x+2=4x+5$$

8.EE.7

Exit Slip

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$$3(x+1)+x+2=4x+5$$

8.EE.7

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: _____

Explain in your own words and give an example of the following words: Coefficient, equation, and variable

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

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: _____

Solve the following equation

$$4(x+2)+x+1=2x-3+3(x+4)$$

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

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8.EE.7

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8.EE.7

Exit Slip

Name: _____ Date: _____

8.EE.7

Exit Slip

Name: _____ Date: _____

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?

8.EE.8

Exit Slip

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8.EE.8

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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?

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: _____ Date: _____

Solve the following system by substitution:

$$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$$

8.EE.8

Exit Slip

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8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

Exit Slip

Name: _____ Date: _____

Explain the three different types of solutions one can get from solving a system of equations.

8.EE.8

Exit Slip

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8.EE.8

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8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

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: _____

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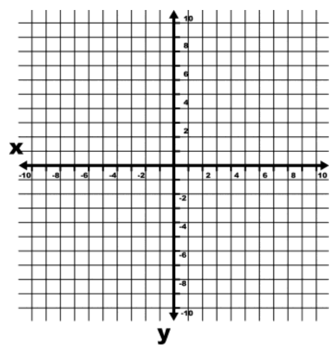
8.EE.8

Exit Slip

Name: ____________________ Date: _______

Solve the following system by graphing.

$$\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$$



8.EE.8

Exit Slip

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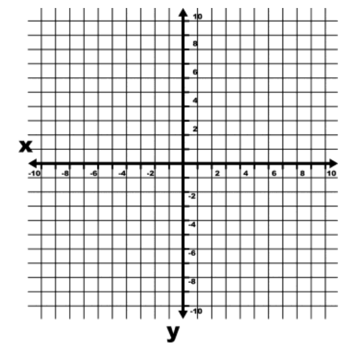

8.EE.8

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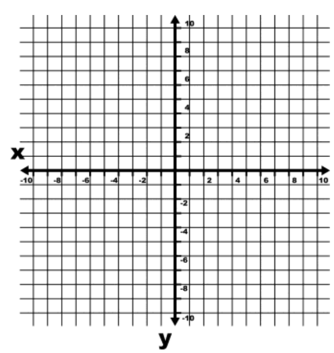

8.EE.8

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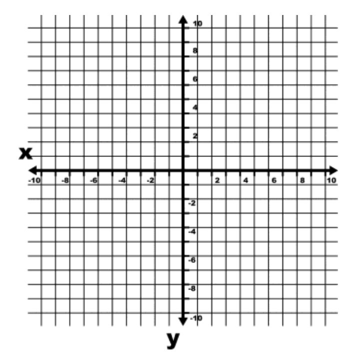

8.EE.8

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: _____

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8.EE.8

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8.EE.8

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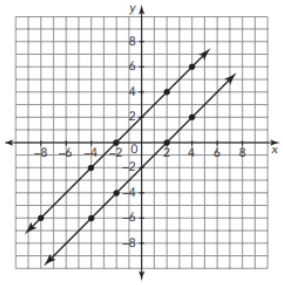
8.EE.8

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.



8.EE.8

Exit Slip

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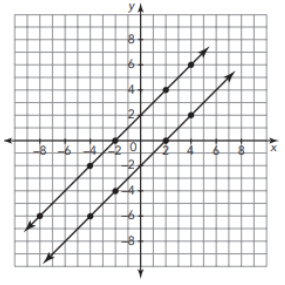

8.EE.8

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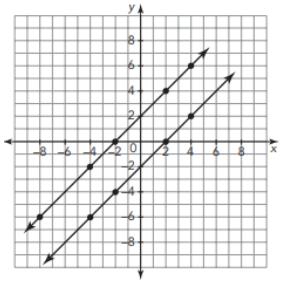

8.EE.8

Exit Slip

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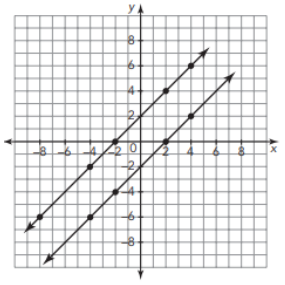

8.EE.8

Exit Slip

Name: _____ Date: _____

Determine if the ordered pair (2, 1) is a solution to the system of equations.

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

8.EE.8

Exit Slip

Name: _____ Date: _____

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

8.EE.8

Exit Slip

Name: _____ Date: _____

Write a system that has (3, 5) as a solution.

8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

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.

8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

Exit Slip

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8.EE.8

Exit Slip

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8.EE.8

Exit Slip

Name: _____ Date: _____

8.EE.8

Exit Slip

Name: _____ Date: _____

8.EE.8

Exit Slip

Name: _____ Date: _____

8.EE.8

Exit Slip

Name: _____ Date: _____

8.EE.8

ANSWER KEYS

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2^5

$x \cdot x \cdot x$

x^3

8.EE.1

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2^5

$x \cdot x \cdot x$

x^3

8.EE.1

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2^5

$x \cdot x \cdot x$

x^3

8.EE.1

Exit Slip

Name: _____ Date: _____

Write each product as a power

$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2^5

$x \cdot x \cdot x$

x^3

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

x^6

$4^3 \cdot 4^5$

4^8

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

x^6

$4^3 \cdot 4^5$

4^8

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

x^6

$4^3 \cdot 4^5$

4^8

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$x^4 \cdot x^2$

x^6

$4^3 \cdot 4^5$

4^8

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$\frac{y^{12}}{y^6}$ y^6

$\frac{7^2}{7^5}$ $\frac{1}{7^3}$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$\frac{y^{12}}{y^6}$ y^6

$\frac{7^2}{7^5}$ $\frac{1}{7^3}$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$\frac{y^{12}}{y^6}$ y^6

$\frac{7^2}{7^5}$ $\frac{1}{7^3}$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify each expression

$\frac{y^{12}}{y^6}$ y^6

$\frac{7^2}{7^5}$ $\frac{1}{7^3}$

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

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

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

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

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

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 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 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 the power so the exponent is positive

a. 4^{-5} $\frac{1}{4^5}$

b. y^{-2} $\frac{1}{y^2}$

c. 8^{-1} $\frac{1}{8^1}$

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} $\frac{1}{8^1}$

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} $\frac{1}{8^1}$

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} $\frac{1}{8^1}$

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

5^{15}

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

5^{15}

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

5^{15}

8.EE.1

Exit Slip

Name: _____ Date: _____

Simplify the following expression:

$$\frac{(5^4 \cdot 5^2)^3}{5^{-3} \cdot 5^6}$$

5^{15}

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. $(10 \cdot 2)^2$
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. $(10 \cdot 2)^2$
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. $(10 \cdot 2)^2$
d. $(10)^4$

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

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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: _____

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 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 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.
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8.EE.1

Exit Slip

Name: _____ Date: _____

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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: _____

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

8.EE.2

Exit Slip

Name: _____ Date: _____

Evaluate each expression:

1. $\sqrt{34+2}$ 6
2. $\sqrt{121}+4$ 15
3. $\sqrt{25}+\sqrt{81}$ 14

8.EE.2

Exit Slip

Name: _____ Date: _____

Evaluate each expression:

1. $\sqrt{34+2}$ 6
2. $\sqrt{121}+4$ 15
3. $\sqrt{25}+\sqrt{81}$ 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

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

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: _____

Evaluate each expression:

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

Evaluate each expression:

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

Evaluate each expression:

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

Evaluate each expression:

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

1. $x^3 = 27$ 3

2. $y^3 = 8$ 2

8.EE.2

Exit Slip

Name: _____ Date: _____

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

1. $x^3 = 27$ 3

2. $y^3 = 8$ 2

8.EE.2

Exit Slip

Name: _____ Date: _____

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

1. $x^3 = 27$ 3

2. $y^3 = 8$ 2

8.EE.2

Exit Slip

Name: _____ Date: _____

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

1. $x^3 = 27$ 3

2. $y^3 = 8$ 2

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

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: _____

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

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 explain how to solve $\sqrt[3]{100}$.

Answers will vary

8.EE.2

Exit Slip

Name: _____ Date: _____

In your own words explain how to solve $\sqrt[3]{100}$.

Answers will vary

8.EE.2

Exit Slip

Name: _____ Date: _____

In your own words explain how to solve $\sqrt[3]{100}$.

Answers will vary

8.EE.2

Exit Slip

Name: _____ Date: _____

In your own words explain how to solve $\sqrt[3]{100}$.

Answers will vary

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

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

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$

B. $x = 8$

C. $x = -7$

D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$

B. $x = 8$

C. $x = -7$

D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$

B. $x = 8$

C. $x = -7$

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8.EE.2

Exit Slip

Name: _____ Date: _____

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

Select all that apply

A. $x = 7$

B. $x = 8$

C. $x = -7$

D. $x = -8$

8.EE.2

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^1	10^2	10^3	10^4	10^5
1	10	100	1000	10000	100000

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^1	10^2	10^3	10^4	10^5
1	10	100	1000	10000	100000

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^1	10^2	10^3	10^4	10^5
1	10	100	1000	10000	100000

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^1	10^2	10^3	10^4	10^5
1	10	100	1000	10000	100000

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^{-1}	10^{-2}	10^{-3}	10^{-4}	10^{-5}
1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10000}$	$\frac{1}{100000}$

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^{-1}	10^{-2}	10^{-3}	10^{-4}	10^{-5}
1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10000}$	$\frac{1}{100000}$

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^{-1}	10^{-2}	10^{-3}	10^{-4}	10^{-5}
1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10000}$	$\frac{1}{100000}$

8.EE.3

Exit Slip

Name: _____ Date: _____

Fill in the following table

10^0	10^{-1}	10^{-2}	10^{-3}	10^{-4}	10^{-5}
1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10000}$	$\frac{1}{100000}$

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 ___<___ 5.6×10^4

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 ___<___ 5.6×10^4

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 ___<___ 5.6×10^4

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 ___<___ 5.6×10^4

8.EE.3

Exit Slip

Name: _____ Date: _____

Explain in your own words how to compare two large numbers using scientific notation

Answers will vary

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

Name: _____ Date: _____

Explain in your own words how to compare two large numbers using scientific notation

Answers will vary

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

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: _____

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.

$1,845,918$

1.85×10^6

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

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.

0.000045

4.5×10^5

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

4.5×10^5

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

4.5×10^5

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

4.5×10^5

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

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

8.EE.3

Exit Slip

Name: _____ Date: _____

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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: _____

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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 greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

8.EE.3

Exit Slip

Name: _____ Date: _____

Which has a value greater than 400 but less than 4,000?

A. 4.1×10^3

C. 8.34×10^3

B. 3.9×10^4

D. 3.34×10^3

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

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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

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2,347,912

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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

0.00421

4.21×10^{-3}

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 scientific notation

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4.21×10^{-3}

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

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

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

$2,560,000$

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

$2,560,000$

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

$2,560,000$

8.EE.4

Exit Slip

Name: _____ Date: _____

Convert the number to standard notation

2.56×10^6

$2,560,000$

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: _____

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7.46×10^6

8.EE.4

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

7.5×10^8

8.EE.4

Exit Slip

Name: _____ Date: _____

Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

7.5×10^8

8.EE.4

Exit Slip

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8.EE.4

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Solve the following and make sure to write your answer in scientific notation.

$(1.5 \times 10^5)(5 \times 10^3)$

7.5×10^8

8.EE.4

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 sum of

$(2.1 \times 10^8) + (3.1 \times 10^8)$?

5.2×10^8

8.EE.4

Exit Slip

Name: _____ Date: _____

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$(2.1 \times 10^8) + (3.1 \times 10^8)$?

5.2×10^8

8.EE.4

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

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

1.8×10^{2}

8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

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8.EE.4

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8.EE.4

Exit Slip

Name: _____ Date: _____

What is the quotient of

$$\frac{7.2 \times 10^{-3}}{4 \times 10^{-5}}$$

1.8×10^{2}

8.EE.4

Exit Slip

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: _____

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

A. 2.4×10^{-4}
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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:

$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$

4×10^7

8.EE.4

Exit Slip

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$(2 \times 10^5)(? \times ?) = 8 \times 10^{12}$

4×10^7

8.EE.4

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

Positive *Negative* *Zero*

Undefined

8.EE.5

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

Positive *Negative* *Zero*

Undefined

8.EE.5

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

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8.EE.5

Exit Slip

Name: _____ Date: _____

Draw and label the four different types of slope.

Positive *Negative* *Zero*

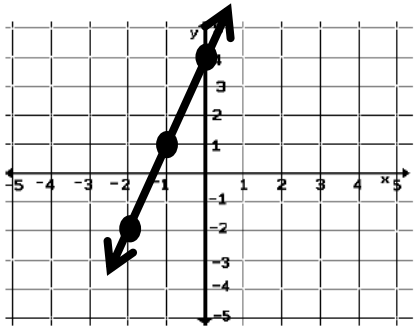
Undefined

8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.



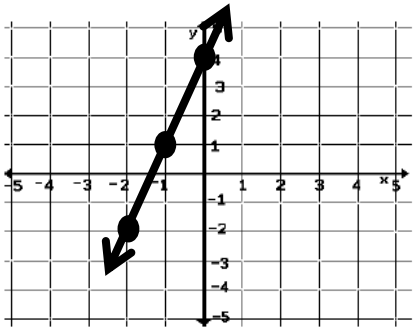
$m = 3$

8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.



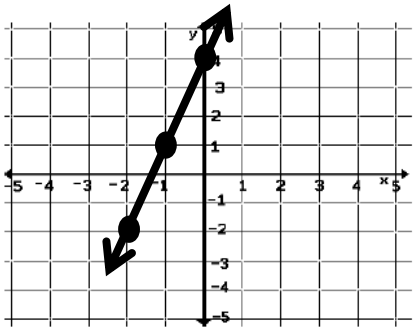
$m = 3$

8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.



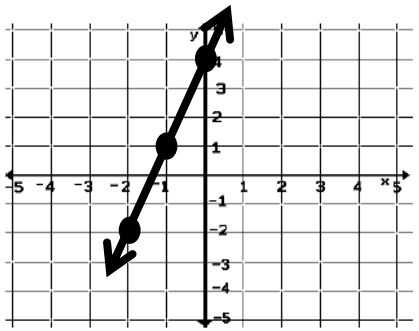
$m = 3$

8.EE.5

Exit Slip

Name: _____ Date: _____

Find the slope of the graph.



$m = 3$

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

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8.EE.5

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8.EE.5

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Name: _____ Date: _____

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Answers will vary

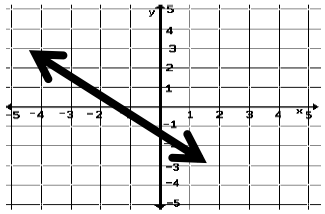
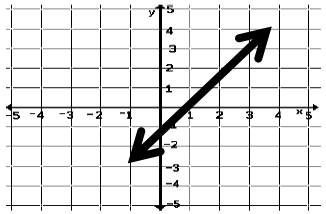
8.EE.5

Exit Slip

Name: _____ Date: _____

Determine if the following slopes are positive or negative.

Negative **Positive**

8.EE.5

Exit Slip

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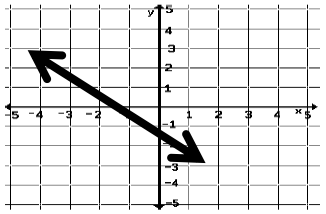
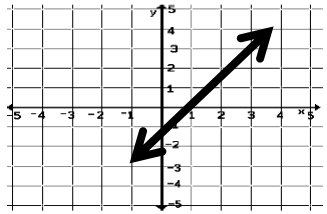

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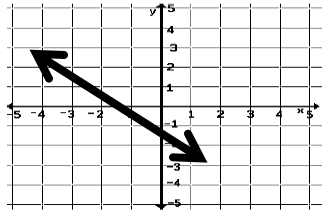
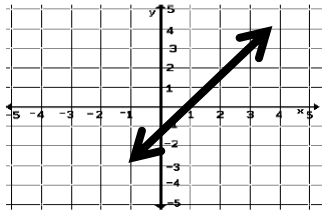

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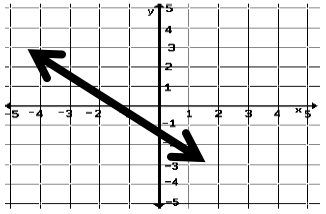
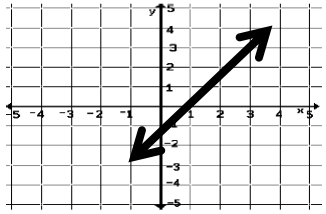
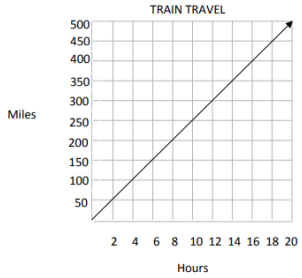



8.EE.5

Exit Slip

Name: _____ **Date:** _____

The following graph represents the distance a train traveled over a 20 hour time period. How far has the train traveled after 2 hours and 7 hours?



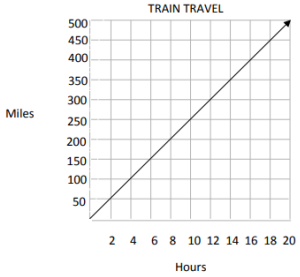
2 hours: 50 miles
7 hours: 175 miles

8.EE.5

Exit Slip

Name: _____ **Date:** _____

The following graph represents the distance a train traveled over a 20 hour time period. How far has the train traveled after 2 hours and 7 hours?



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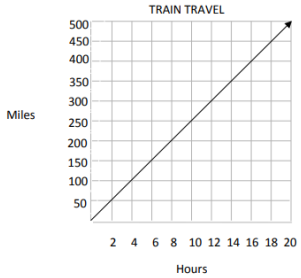

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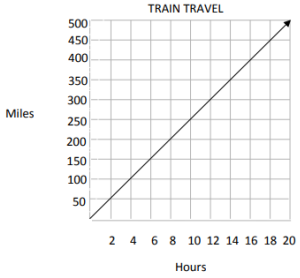

2 hours: 50 miles
7 hours: 175 miles

8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

Week	1	2	5	10
Amount	120	140	200	300

8.EE.5

Exit Slip

Name: _____ Date: _____

Calvin has $100 in his savings account. Each week he deposits $20. Fil in the following table to represent the amount of money in his savings account.

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8.EE.5

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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 Slip

Name: _____ **Date:** _____

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Kris would make more money

8.EE.5

Exit Slip

Name: _____ Date: _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

8.EE.5

Yes, $\frac{120}{4} = \frac{180}{6} = \frac{300}{10}$

Exit Slip

Name: _____ Date: _____

Does the following table represent a proportional relationship? Explain why or why not

Time	4	6	10
Distance	120	180	300

8.EE.5

Yes, $\frac{120}{4} = \frac{180}{6} = \frac{300}{10}$

Exit Slip

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8.EE.5

Yes, $\frac{120}{4} = \frac{180}{6} = \frac{300}{10}$

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: _____

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.

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Exit Slip

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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: _____

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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?

$$\frac{y_2 - y_1}{x_2 - x_1}$$

8.EE.6

Exit Slip

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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 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.EE.6

Exit Slip

Name: _____ Date: _____

What is the equation for slope intercept form and label what each variable represents.

$$y = mx + b$$
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8.EE.6

Exit Slip

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8.EE.6

Exit Slip

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$$m = slope$$
$$b = y\ - intercept$$
$$x\ and\ y = ordered\ pairs$$

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

$m = 4 \quad b = 1$

$m = 1 \quad b = -2$

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

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

$m = 4 \quad b = 1$

$m = 1 \quad b = -2$

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

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

$m = 4 \quad b = 1$

$m = 1 \quad b = -2$

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

Exit Slip

Name: _____ Date: _____

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a. $y = 4x + 1$

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8.EE.6

$m = 4 \quad b = 1$

$m = 1 \quad b = -2$

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

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: _____

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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.

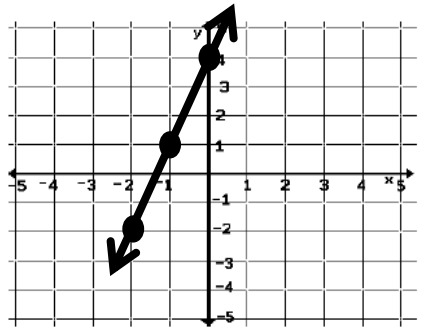
Answers will vary

8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line



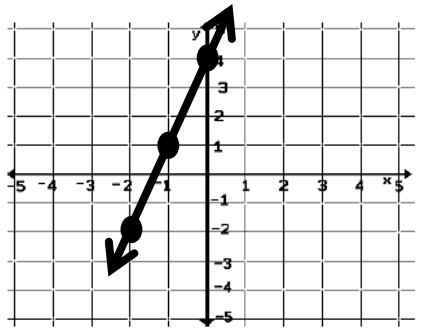
$y = 3x + 4$

8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line



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8.EE.6

Exit Slip

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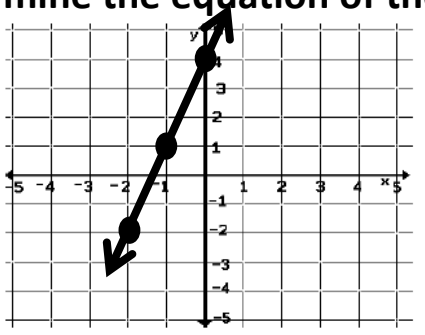

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8.EE.6

Exit Slip

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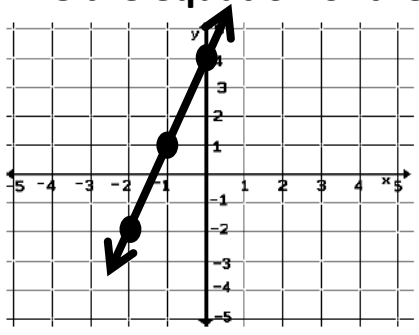


$y = 3x + 4$

8.EE.6

Exit Slip

Name: _____ Date: _____

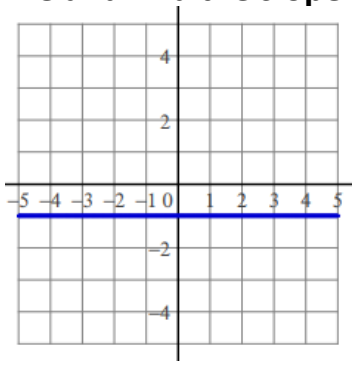
Identify two points on the line and find the slope

Point A: _____

Point B: _____

Slope: zero

What would be the slope if you choose two other points? zero



8.EE.6

Exit Slip

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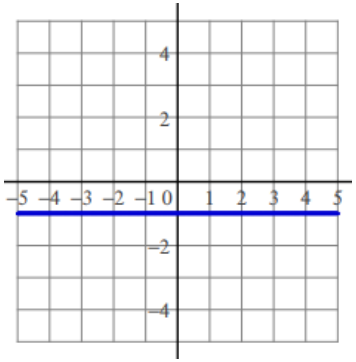

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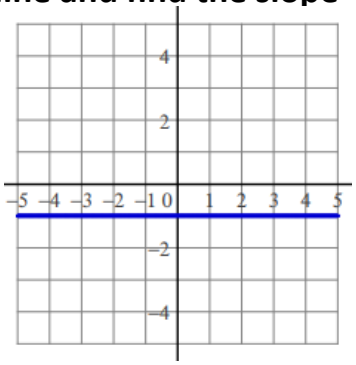

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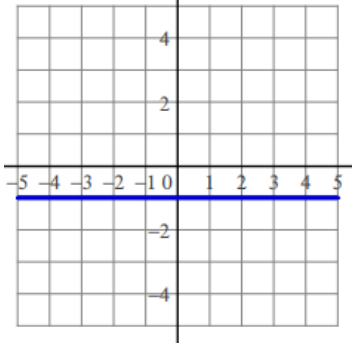

8.EE.6

Exit Slip

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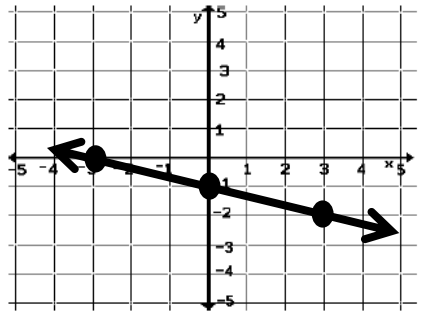


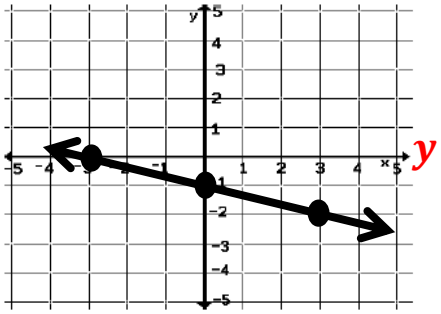
$y = -\frac{1}{3}x - 1$

8.EE.6

Exit Slip

Name: _____ Date: _____

Determine the equation of the following line



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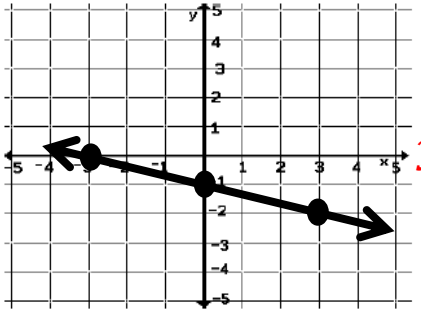

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Exit Slip

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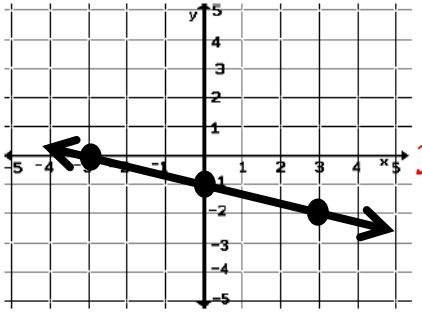


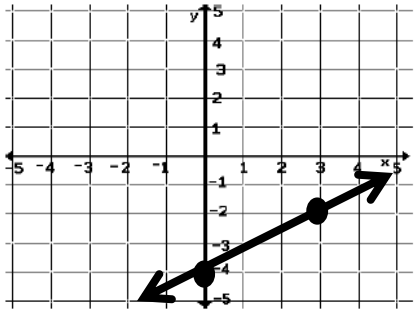
$y = -\frac{1}{3}x - 1$

8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$

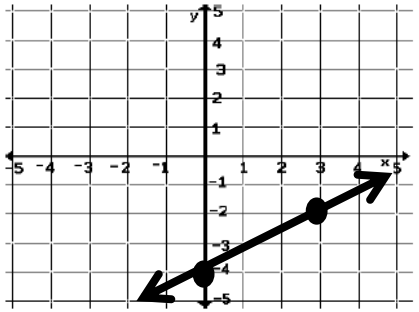


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$

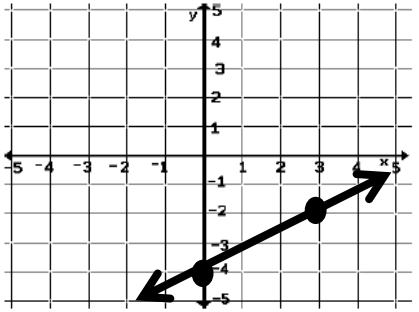


8.EE.6

Exit Slip

Name: _____ Date: _____

Graph the equation $y = \frac{2}{3}x - 4$



8.EE.6

Exit Slip

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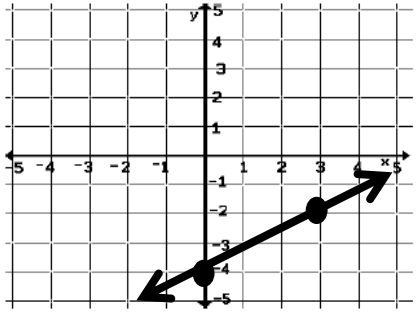

8.EE.6

Exit Slip

Name: _____ Date: _____

Simplify the following expressions:

1. $3x + 8x + 5$ 11x + 5
2. $4(x + y) - 2y$ 4x + 2y
3. $-2y + 5y + 7x - 2x$ 3y + 5x

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

Exit Slip

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2. $4(x + y) - 2y$ 4x + 2y
3. $-2y + 5y + 7x - 2x$ 3y + 5x

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation

$$3(-2x+4) = -6x - 12$$

No Solution

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation

$$3(-2x+4) = -6x - 12$$

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8.EE.7

Exit Slip

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8.EE.7

Exit Slip

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$$3(-2x+4) = -6x - 12$$

No Solution

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 = 5
2. One Solution x = 8
3. Infinite Solutions 7 = 7

8.EE.7

Exit Slip

Name: _____ Date: _____

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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?

Infinite Solutions

8.EE.7

Exit Slip

Name: _____ Date: _____

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8.EE.7

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Name: _____ Date: _____

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Infinite Solutions

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$-5(x - 3) + 7x = 35$$

x = 10

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$-5(x - 3) + 7x = 35$$

x = 10

8.EE.7

Exit Slip

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8.EE.7

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8.EE.7

Exit Slip

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

Exit Slip

Name: _____ **Date:** _____

Fill in the following table:

Terms	Like or Unlike
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8.EE.7

Exit Slip

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8.EE.7

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-2x and 6	**Unlike**
8y and 4y	**Like**
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8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$8x + 4 + 3 = x - 7$$

x = -2

8.EE.7

Exit Slip

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8.EE.7

Exit Slip

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8.EE.7

Exit Slip

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$$8x + 4 + 3 = x - 7$$

x = -2

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation:

$$3(x+1)+x+2=4x+5$$

Infinite Solutions

8.EE.7

Exit Slip

Name: _____ Date: _____

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Infinite Solutions

8.EE.7

Exit Slip

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Infinite Solutions

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

8.EE.7

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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

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation

$$4(x+2)+x+1=2x-3+3(x+4)$$

Infinite Solutions

8.EE.7

Exit Slip

Name: _____ Date: _____

Solve the following equation

$$4(x+2)+x+1=2x-3+3(x+4)$$

Infinite Solutions

8.EE.7

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8.EE.7

Exit Slip

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$$4(x+2)+x+1=2x-3+3(x+4)$$

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: _____

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8.EE.8

Exit Slip

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8.EE.8

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8.EE.8

Exit Slip

Name: _____ Date: _____

Solve the following system by substitution:

$$\begin{cases} y = 3x - 4 \\ y = 2x + 9 \end{cases}$$

(13, 35)

8.EE.8

Exit Slip

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(13, 35)

8.EE.8

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

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8.EE.8

Exit Slip

Name: _____ Date: _____

Solve the following system by elimination.

$$\begin{cases} 2x + y = 10 \\ 5x - y = -3 \end{cases}$$

(1, 8)

8.EE.8

Exit Slip

Name: _____ Date: _____

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8.EE.8

Exit Slip

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8.EE.8

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(1, 8)

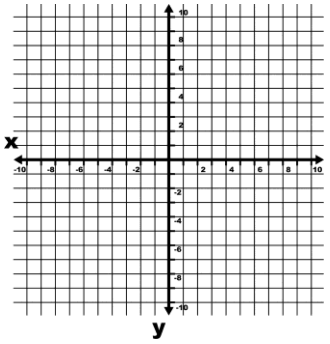
8.EE.8

Exit Slip

Name: _____ Date: _____

Solve the following system by graphing.

$$\begin{cases} y = \frac{3}{2}x - 1 \\ y = -\frac{1}{2}x + 3 \end{cases}$$



(2, 2)

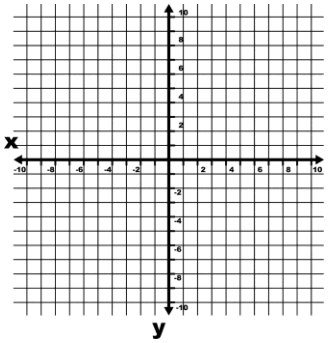
8.EE.8

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}$



(2, 2)

8.EE.8

Exit Slip

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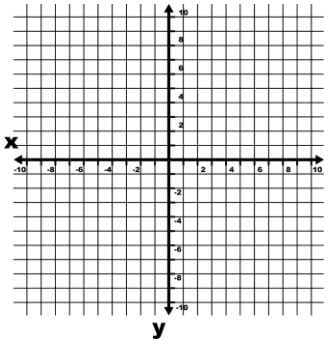

(2, 2)

8.EE.8

Exit Slip

Name: _____ Date: _____

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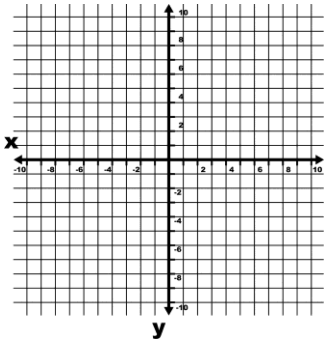

(2, 2)

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.

$$t + c = 278$$

$$9c + 7c = 2110$$

8.EE.8

Exit Slip

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Exit Slip

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$$t + c = 278$$

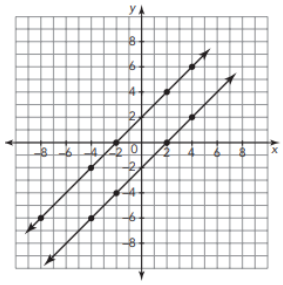
$$9c + 7c = 2110$$

8.EE.8

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 – 2

No Solution

8.EE.8

Exit Slip

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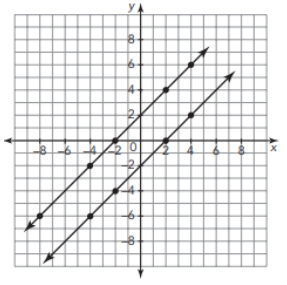

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8.EE.8

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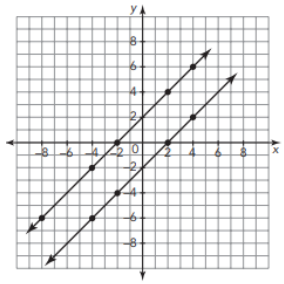

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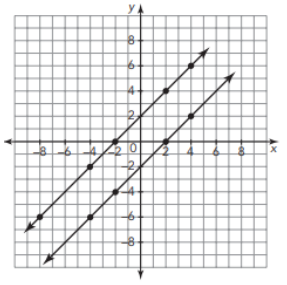

y = x + 2

y = x – 2

No Solution

8.EE.8

Exit Slip

Name: _____ Date: _____

Determine if the ordered pair (2, 1) is a solution to the system of equations.

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

Yes (2, 1) is a solution

8.EE.8

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Exit Slip

Name: _____ Date: _____

Write a system that has (3, 5) as a solution.

Answers will vary

8.EE.8

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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.

$y = 0.1x + 30$

$y = 0.4x + 10$

8.EE.8

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~Math in the Midwest