PRE

Unit 18 Review of Linear Equations – Form B

Bilka
Prd. 2

You have 15 minutes to answer as many questions as you can. Don't worry if you can't answer all the questions. Please show all your work. When the question asks you to explain, please explain your answer in plain English.

1) Solve for y

$9 + 2y = 4$

$\frac{2y}{2} = \frac{-5}{2}$

$y = -2.5$

Nico Anthony
Wilkinsburg
Bilka - Prd. 2

Pre-Tests (7)

2) Solve for x:

$\frac{x}{-4} + 6 = -3$

3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why

5) Solve for y:

$7 + (-8y) = -3 + 2y$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$

5/5

PRE

Billa pd. 2

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3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y + -7 = 5 + 6x$ $-4y \quad -4y$ $-7 = 5 + 2y$	

5) Solve for y:

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6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

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2) Solve for x:

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3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$-7 - 4y = 3$ $-6y = 0$ $y = -3$	

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$-8 - 7 = -1$

$-1 - 2 \quad -1 \quad y = -1$

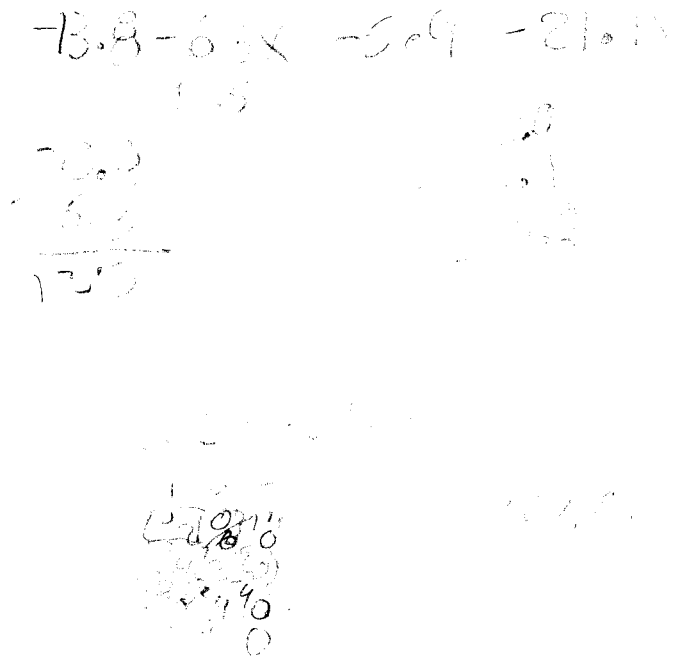
6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$-1.8x - 6.3 = 5.5x$ $-1.8 \quad 9.7 - 5.1x$	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$



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1/5
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Richard.2

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1) Solve for y

$9 + 2y = 4$
$-9 \quad -9$
$2y = -5$
$\frac{2y}{2} = \frac{-5}{2}$
$y =$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

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PRE

Bilko
prd. 2

Unit 18 Review of Linear Equations – Form B

You have 15 minutes to answer as many questions as you can. Don't worry if you can't answer all the questions. Please show all your work. When the question asks you to explain, please explain your answer in plain English.

1) Solve for y

$9 - 9 + 2y = 4 \quad -9 = -5$

$\frac{2y}{2} = \frac{-5}{2} \quad y = -2.5$

$2\overline{)5} \quad -2.5$

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2) Solve for x:

$\frac{x}{-4} + 6 = -3 \quad -6 \quad -9$

$\frac{x}{-4} = -9$

$\frac{-4}{1} \quad \frac{-9}{1} = \frac{36}{1} \quad x = 36$

3) Solve for x:

$2x + 5x = 6$

$2 + 5 = 7$

$\frac{7x}{7} = \frac{6}{7}$

$x = 0.1$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
1. $-6 + 4y + -6 = 5 + 6y - 6$	Subtract -7 from both sides (because you want y near each other)
2. $4y + 6y = 5 + -7$	factor for y (so you can get the y by itself)
3. $y(4+6) = (5 + -7)$ / $4 + 6$	to get y by it self divde it by 4+6
$y = \frac{5 + -7}{4 + 6}$	

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$-3 \quad 7 = -3 + 2y - 8y \quad -3$

$-3 - 7 = 2y - 8y$

$y(\frac{2+-8}{2+-8}) = \frac{-3-7}{2+-8}$ $\qquad y = \frac{-3-7}{2+-8}$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

	Show your work here	For each step, explain why
1	$-1.8x + 6.3 = 9.7 + 5.1$	Subtract both side
2	$6.3 = 9.7 + 5.1x - 1.8x$	by 1.8
3.	$6.3 - 9.7 = 5.1x - 1.8x$	ther subtract both side
4.	$y(5.1 - 1.8) = 6.3 - 9.7$ $5.1 - 1.8 \quad 5.1 - 1.8$	by 9.7 factor for y
5.	$y = \frac{6.3 - 9.7}{5.1 - 1.8}$	divided by 5.1 - 1.8

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

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$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$

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4/5

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1) Solve for y

$9 + 2y = 4$

$-9 \quad -9$

$2y = -13 \div 2$

$X = -25$

$9 + 2y = 4$

$-9 \qquad 9$

$0 \quad 2y = 13 \div 2$

2) Solve for x:

$\frac{x}{-4} + 6 = -3$

$-6 \quad -6$

$4 \div 0 = -9 \div 4$

$x = -9$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

$x = 0$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y+(-7) = 5+6y$ $-6 \quad -6$ $-1 \quad 0$ $4y+(-7) = 5+6y$ $-6y \quad -6y$	I had to simplified the signs and then Distribute by and -4y

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$7 + (-8y) = -3 + 2y$

$-7 \quad \times 2$

$3 \div 6 = 6$

$\times 2$

$4 \div 3$

$= +8$

$x = -3 - 7$

$2 + 8$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$1.8x + 6.3 = 9.7 + 5.1x$ $6.3 \quad 6.3 \quad 5.1 \quad 5.1$ $-7.3x \quad .6 \quad -4.6 \quad .0$ $\div$ $=$ $x = .$	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$-13.8+6.3=21.1x+(-5.9$

$13.8+6.3$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:

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1) Solve for y

$9 + 2y = 4$

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$-2y \quad -2y$

$y = 2$

2) Solve for x:

$\frac{x}{-4} + 6 = -3$ $-4 \cdot 6 = 10 \div -3 = 3$

3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why

5) Solve for y:

$7 + (-8y) = -3 + 2y$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$7.10 = 14.8x$	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

8) Solve for y:

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