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PRE
Bilks
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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

$~~9~~ + 2y = 4 - 9$

$2y = {}^{-}5$

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

$y = 2.5$

I subtracted 9 by both sides to cancel out both 9's then subtracted 9 - 9

2) Solve for x:

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

$\frac{x}{2} + {}^{-}3$

$x = {}^{-}5$

I tried to see what number I could get for x so it can = out to $\frac{x}{-4} + 6 = 3$

3) Solve for x:

$2x + 5x = 6$

$X = 0.5$ | $X = 1$

$2 * 0.5 + 5 * 1 = 6$

I just kept trying to multiply different #s by 2 and 5 till my answer was six.

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:

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

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PRE

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Unit 18 Review of Linear Equations – Form B

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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.

Bills prd-6

1) Solve for y

$\cancel{9} + 2y = 4$
$-9 \qquad -9$

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

$y = -2.5$

2) Solve for x:

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

[illegible] $= -9 \; x \; -4$

$x = 36$

3) Solve for *x*:

$2x + 5x = 6$

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

$x = 0.8571$

4) Solve for *y*:

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

Show your work here	For each step, explain why
$4y + -7 = 5 + 6y$ $11y = 11y$	do each side of the problem to get your answer

5) Solve for y:

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

$15y = -1y$

6) Solve for x:

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

6.3 5.1

6.1 14.5x

Show your work here	For each step, explain why
$6.1x = 14.8x$	do each side of the problem and add it [illegible] put a [illegible] on the end

7) Solve for x:

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

$6.3 \qquad -5.9$

$-7.5x = 15.2x$

8) Solve for y:

$1y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why
$9.2y=$	

9) Solve for x:

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

10) Solve for x:

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

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PRE

Billa
prd-6

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

$9 + 2y = 4$

$-\cancel{9}+\cancel{9}+2y = 4-9$

$2y \mid -5$

$y \mid -10$

2) Solve for x:

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

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

$4x \mid -3-6$

$4x \mid -9$

$x = -36$

3) Solve for x:
$2x + 5x = 6$

$2x + 5x = 6$

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

$x = 6/7$

4) Solve for y:
$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$-4\ 4y + (-7) = 5 + 6y - 4$ $y + (-7) = 5 + 6y - 4$ $y + (-7) = -19$ $y = 133$	First I taken 4 - 4 and [illegible] to both side [illegible] with (-7) [illegible] did the [illegible] 5 + 6 [illegible] got -19 then [illegible] y + (-7) = -19 [illegible] times them together and got -133.

5) Solve for y:

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

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

8y = -3 + 2y - 7

8y | -17

y = -136

6) Solve for x:

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

Show your work here	For each step, explain why
-6.3 + -1.8x + 6.3 = 9.7 + 5.1x - 6.3 -1.8x = 9.7 + 5.1x - 6.3 -1.9x = 41.83 x = -75.2[illegible]	[illegible] Distribution [illegible] [illegible] 1.8x 9. [illegible] [illegible] [illegible] 41.83 [illegible] -1.8x [illegible] [illegible] x = -75.2[illegible]

7) Solve for x:

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

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

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

$6.3x = -138.29$

$x = -87.227$

8) Solve for y:

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

Show your work here	For each step, explain why
$-8.2 + y + 8.2 = -3.4y + (-11.6) - 8.2$	
$y = -3.4y + (-11.6) - 8.2$	I [illegible] -8.2
$y = -47.60$	[illegible]
	[illegible] $y = -3.4y + (-11.6) - 8.2$
	[illegible]
	[illegible] got $y = -47.64$

9) Solve for x:

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

10) Solve for x:

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

PRE

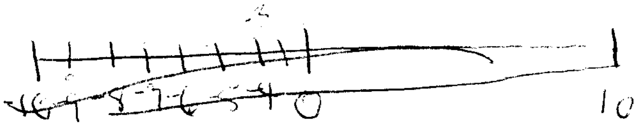
Brilka
prd. 6

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

$9 + 2y = 4$



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

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

$\boxed{(-2.5 = y)}$

2) Solve for x:

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

$\cancel{-4} \cdot \frac{x}{\cancel{-4}} = -9 \cdot -4 = 36$

$(36 = y)$

3) Solve for x:

$2x + 5x = 6$

$\frac{\cancel{7}x}{\cancel{7}} = \frac{6}{7}$ $\left(x = .8571\right)$

4) Solve for y:

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

Show your work here	For each step, explain why
~~4~~ + 7	So you can get rid of the 7.
$4y = 5 + 6y + 7$	Add like terms
$4y = 12 + 6y$	$-6y$ to get it with the the 4y And put them together
$\frac{10y}{10} = \frac{12}{10}$ $y = 1.2$	Divide by 10 to get the variable by itself.

5) Solve for y:

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

$- \cancel{7}y + 4 + \cancel{7}y = -8y - 2y = -10y$

$$\frac{-10y}{-10} = \frac{4}{-10}$$

$y = -.4$

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:

$5.9 + \quad -13.8 + 6.3x = 21.1x + (-\cancel{5}.9) + \cancel{5}.9$

$-13.8 + 5.9 = -(7.9)$

$\cancel{-6.3x} + -7.9 + 6.3x = 21.1x - 6.3x = (14.8x)$

$$\frac{-7.9}{14.8} = \frac{14.8x}{14.8}$$

$(x = -0.5338)$

8) Solve for y:

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

Show your work here	For each step, explain why

9) Solve for *x*:

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

$\cancel{3x} - \frac{3\cancel{x}+8}{7} = -12x - 3x = -15x$

$-0.0762 = \frac{1.1429}{-15} \quad \frac{\cancel{-15}x}{\cancel{-15}} \quad (-0.0762 = x)$

10) Solve for *x*:

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

$15,8 \quad - \quad 5,2x + 21,1 = 9,2x + \cancel{15,8} - \cancel{15,8}$

$5,2x - \quad 5,3 + 5,2x = 9.2x - 5.2x = 4x$

$1,325 = \frac{5.3}{4} = \frac{\cancel{4}x}{\cancel{4}}$

$(1,325 = x)$

[redacted]

Brilla
prd. 6

Unit 18 Review of Linear Equations – Form B PRE

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

$$9 + 2y = 4$$

$-\cancel{9}+\cancel{9}+2y=4+9$

$\frac{2y}{2}=\frac{13}{2}$

2) Solve for x:

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

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

[illegible] $\frac{\cancel{4}}{\cancel{1}}\frac{x}{\cancel{-4}}=-9\cdot4$

[illegible]

$x=45$

3) Solve for x:

$$2x + 5x = 6$$

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

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

4) Solve for y:

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

Show your work here	For each step, explain why
$10y + (7) = 5$	combined like terms
	distributed
$\frac{70y}{70} = \boxed{\frac{5}{70}}$	divided by 70
	$y = \frac{5}{70}$

5) Solve for *y*:

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

$7 + (-6y = 3$

$\frac{42y}{42} = \frac{3}{42}$ $y = 14$

6) Solve for *x*:

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

Show your work here	For each step, explain why
$1.8x + 6.3 = 9.7 + 5.1$ $-\cancel{6.3} + 3.3x + \cancel{6.3} = 9.7 - 6.3$ $\frac{3.\cancel{3}x}{\cancel{3.3}} = \frac{3.4}{3.3}$	combined like terms $3.3x + 6.3 = 9.7$ sub 6.3 from both sides $-\cancel{6.3}\ 3.3x + \cancel{6.3} = 9.7 - 6.3$ $3.3x = 3.4$ divided 3.3 from both sides $x = \frac{3.4}{3.3}$

7) Solve for x:

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

$-13.\cancel{8} + 27.4x = (-5.9) + 13.8$

$13.\cancel{8}$

$\frac{27.4x}{27.4} = \frac{7.9}{27.4}$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = 3.4y + 11.6$ $\frac{8.2y}{8.2} = \frac{(11.6)}{8.2}$ $y = 3.4$	combined like terms 8.2y (11.6) clarified 8.2 from both sides y = 3.4

9) Solve for x:

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

10) Solve for x:

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

$$-\cancel{21}.1 + 14.4x + \cancel{21.1} = 15.8 - 21.1$$

$$\frac{\cancel{14.4}x}{\cancel{14.4}} = \frac{-5.3}{14.4}$$

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Unit 18 Review of Linear Equations – Form B

PRE

Bilko
prd-6

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

$\cancel{9} - \cancel{9} + 2y = 4 - 9$

$y = 4.5$

$\frac{2y}{2} = \frac{-9}{2}$

2) Solve for x:

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

$\frac{\cancel{6}x}{\cancel{6}} = \frac{-1}{6}$

$x = -1/6$

3) Solve for x:

$$2x + 5x = 6$$

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

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

4) Solve for y:

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

Show your work here	For each step, explain why
$-7-10y+(-7)=\cancel{5}-7-2$ $y=-2$	I added the like terms because they both had "y" as a variable

5) Solve for y:

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

$$\cancel{7} - \cancel{7} + -10y = \cancel{-3 - 7} - 10$$

$$\frac{\cancel{10}y}{\cancel{10}} = \frac{-10}{10}$$

$$y = -1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$16 -3.3x + \cancel{16} - 1\cancel{6}$ $12.7x$ $x = 12.7$	I combined all the liked terms then solved for "x"

7) Solve for x:

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

$\cancel{19.7} - \cancel{19.7} + 27.4x - 19.7$

$x = 7.7$

8) Solve for y:

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

Show your work here	For each step, explain why
$8.2 = -3.4y + -11.6$ $\frac{19.8}{3.4} = \frac{\cancel{3.4}y}{\cancel{3.4}}$ $y = 5.823$	Solved the equation by combining terms

9) Solve for x:

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

10) Solve for x:

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

[redacted]

Unit 18 Review of Linear Equations – Form B

PRE

Bilko
prd-6

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

$$9 + 2y = 4$$

$-9 \quad -9$

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

2) Solve for x:

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

3) Solve for x:

$2x + 5x = 6$

2 2

$\frac{3x}{3} = \frac{6}{3}$ $x = 2$

4) Solve for y:

$4y + (-7) = 5 + 6y$ [illegible] (-7) $\frac{7}{5}$ $\frac{12y}{10} = \frac{12}{10}$ $y = 1.2$

Show your work here	For each step, explain why
[illegible] $y = -1.75$ y [illegible]	[illegible]

5) Solve for *y*:

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

$7 + -8y = -3$

10

6

$y = 1.\overline{6}$

6) Solve for *x*:

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

Show your work here	For each step, explain why
$3.3x = 16$ $\frac{3.3x}{3.3} = \frac{16}{3.3}$ $X = 4.84$	combine like terms [illegible] for X

7) Solve for x:

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

$27.4x = 19.7$

$x = 0.71$[illegible]

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:

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

Unit 18 Review of Linear Equations – Form B

PRE

Bilha
prd. 6

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

$9 + 2y = 4$

$-9 + 9 + 2y = 4 - 9$

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

$y = -2.5$

2) Solve for x:

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

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

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

$x = 36$

3) Solve for x:

$2x + 5x = 6$

$x + 5 = 6$

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

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

4) Solve for y:

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

Show your work here	For each step, explain why
$7 + 4y + (-7) = 5 + 6y + 7$ $-4y$ [illegible] $= 5 + 6y + 7 - 6y$ $\frac{-2y}{-2} = \frac{12}{-2}$ $y = -6$	First [illegible] right [illegible] I the [illegible] [illegible] I added 5+7 [illegible] [illegible] ga[illegible]

5) Solve for y:

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

$-7 + 7 + (-8y) \mid -3 + 2y - 7$

$-2y + (-8y) \mid$ [illegible]

$\frac{-10y}{-10} \mid \frac{-10}{-10}$

$y = 1$

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:

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

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

8) Solve for y:

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

Show your work here	For each step, explain why

9) Solve for x:

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

$7 \cdot \frac{3x+8}{7}$ | $12x \cdot 7$

$-8 + 3x+8 = -84 - 8$

$3x = -92$

$\frac{3x}{3} = \frac{-92}{3}$

$x = 30.666$

10) Solve for x:

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

$12.6x + 21.1 + (-7.4x)$ | [illegible]

$-15.8 + 21.1 - 5.2x = 9.2x + 15.8 - 15.8$

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PRE

Unit 18 Review of Linear Equations – Form B

Bilha
prd.6

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

$9 + 2y = 4$

$\frac{2}{2} \quad \frac{2}{2}$

14 $\quad$ 4 $\quad$ $\frac{14 \div 4}{3.5}$

divison of equals

$y = 3.5$

2) Solve for x:

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

$\quad -4 \qquad -4$

$\quad 16 \qquad 12$

$\div 16$
$\div 12$

8

$-4 + 10 = 6$

$\frac{8}{-4} \times 6 = -3$

$X = 10$

3) Solve for x:

$2x + 5x = 6$

$-2x + 5x \quad 6$

$+8 \quad \times 6$

$6 \quad 30$

12

$\div 42$

5

8.4

$x = 8$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $-7 \quad -1 \; -7$ $-3 \quad -2 \; -1$ $y = -6$	[illegible] find you [illegible] [illegible] this [illegible] finally [illegible] answer

5) Solve for y:

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

7 + (-8y) = -3 ~~+2~~ /

8 8 ⟵ finer

-1 -16

= -17 128

y = 17 ok

6) Solve for x:

$-1.8x + \cancel{6.3} = \cancel{9.7} + 5.1x$

Show your work here	For each step, explain why
-1.8x + 6.3 = ~~9.7~~ 5.1x 51 1.8 6.9 6.9 y = 1	[illegible]

7) Solve for x:

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

13.8+6.3x

-15

21.1

8) Solve for y:

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

Show your work here	For each step, explain why
8.2+3.4 Equals 48 $y = 4$	it was just [illegible] [illegible] at that point

9) Solve for x:

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

10) Solve for x:

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

Unit 18 Review of Linear Equations – Form B PRE

[redacted]

Bilka
prd.6

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.

([illegible] NO!
I don't know what I am
DOING!)

1) Solve for y

$9 + 2y = 4$

$9+2y=-4$

$9+2y-2y$

But I think first
you attack the
side with the
variable & cancel
each other out

$y=-5$

(Because if you [illegible] 5 [illegible]
you get 4!)

2) Solve for x:

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

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

x =

3) Solve for *x*:

$2x + 5x = 6$

$2x + 5x = 6$

$x =$

4) Solve for *y*:

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

Show your work here	For each step, explain why
$4y+(-7)=5+6y$ $y=$	1) you try to attack the side with the variable & isolate [illegible]

5) Solve for y:

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

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

$y=$

6) Solve for x:

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

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

7) Solve for x:

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

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

$x =$

8) Solve for y:

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

Show your work here	For each step, explain why
$y+8.2=-3.4y+(-11.6)$ $y=$	

9) Solve for x:

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

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

$x =$

10) Solve for x:

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

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

Unit 18 Review of Linear Equations – Form B

PRE

Bilka
Prd.6

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

$\cancel{9} + 2y = 4 \quad = -0.571$

$-\cancel{9} \quad \overline{9} \quad -7$

$x = -0.571$

2) Solve for x:

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

$-\cancel{6} \quad -6$

$\frac{-9}{-9}$

$x = 0.444$

3) Solve for x:

$2x + 5x = 6$

$5 \quad -5 \quad 3$

$x = -2$

$6 \div -3 =$

2

4) Solve for y:

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

Show your work here	For each step, explain why
$4y+(-7)=5+6y$ $-7 \quad - \quad -7$ $4y=5+6y$ -7 $\frac{11}{11}$ $y=1$	1) Subtract -7 from both side) then the two 7 cross out and you get 4-negative 7 3) 4-negative 7 = 11 then 5+6 = 11 then divide 11 and 11 and = x = 1

5) Solve for y:

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

$-8 - (-\cancel{8})$

$7 - = -3 + 2y$

-8

$\frac{15}{-1}$

$y = -15$

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:

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

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Unit 18 Review of Linear Equations – Form B

PRE Bilko
prd.6

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*

$$9 + 2y = 4$$

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:

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

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Unit 18 Review of Linear Equations – Form B

PRE

Britha
prd. 6

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

$9 - 9 + 2y = 4 - 9$

$\cancel{9} - \cancel{9} + 2y = -5$

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

$y = -2.1$

$$\begin{array}{r} -2+1 \\ 2\overline{)5} \\ -4 \\ \hline 1 \end{array}$$

Well I take 9 and subtract it
[illegible] crossout
9's on left side [illegible] solve [illegible]
[illegible]
[illegible] x or 4

2) Solve for x:

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

$4x + 6 = -3$

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

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

$$\begin{array}{r} -2+1 \\ 4\overline{)9} \\ -8 \\ \hline 1 \end{array}$$

$x = -2+y$

Well I take the 4 and
and put [illegible]
then I do the same
Number 1 except different
numbers

3) Solve for x:

$$2x + 5x = 6$$

I don't know
[illegible] solve without [illegible]
[illegible] x

4) Solve for y:

$\cancel{5} - 4y + (-7) = 5 + 6y - \cancel{5}$

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $5 - 4y + -7 = 5 + 6y - 5$ $1y + -7 = 5 + 6y - 5$ $\cancel{7} - 1y + \cancel{7} = 11y - -7$ $\frac{1y}{1} = \frac{4y}{1} = 4y$	I [illegible] short

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:

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