Unit 18 Review of Linear Equations – Form B

Rot.

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.

Contin. Grd. 3

1) Solve for y

$$9 + 2y = 4$$

2) Solve for x:

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

3) Solve for x:

$2x + 5x = 6$

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

$x = 0.857$

4) Solve for y:

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

Show your work here	For each step, explain why
$10y + (-7) = 5$ $10y + -7 = 5 - 7$ $\frac{10y}{10} = \frac{12}{10}$ $y = 1.2$	first I subtracted 7 from both

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:

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

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

$-13.8 = 14.8x$

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

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

Ref.

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.

Conic. Pro: 3

1) Solve for y

$9 + 2y = 4$

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

$2y = 4 - 9$

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

$y = -2.5$

2) Solve for x:

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

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

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

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

$x = 36$

3) Solve for x:

$2x + 5x = 6$

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

$x = .857$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $4y + (-7) - (-7) = 5 + 6y - 7$ $6y - 4y = 12 + 6y - 6y$ $\frac{2y}{2} = \frac{12}{2}$ $y = 6$	Subtract -7 from both sides Subtract 6y from both sides Divid by 2 from both sides $y = 6$

5) Solve for y:

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

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

$-8y = -10 + 2y$

$\frac{-8y}{-2} = \frac{-10}{-2}$

$y = 1\frac{6}{}$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 3 + 5.1x$ $-6.9x = 3$	Subtract 6.3 from both sides Combine like terms divide by both sides

7) Solve for x:

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

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

$6.3x = -19.7 + 21.1x$

$\frac{27.4x}{27.4} = \frac{-19.7}{27.4}$

$x = -0.7189$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 - 8.2 = -3.4y + (-11.6) - 8.2$ $y = -3.4y + -19.8$ $\frac{-2.4y}{-2.4} + \frac{-19.8}{-2.4}$ $y = 8.25$	Subtract 8.2 from both sides combine like terms Divide both sides by -2.4 $y = 8.25$

9) Solve for x:

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

$3x + 8 = -84x$

$\frac{-84x}{-84} = \frac{-8}{-84}$

$x = -0.095$

10) Solve for x:

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

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

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

$52x = -5.3$

Unit 18 Review of Linear Equations – Form B

Rot.

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.

Conho. Prod. 3

1) Solve for y

$9 + 2y = 4$

$-2y \quad -2y$

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

$y = 4.5$

2) Solve for x:

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

$-6 \quad -6$

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

$x = -13$

3) Solve for x:

$2x + 5x = 6$

$x(2+5) = 6$

$\frac{x(2+5)}{(2+5)} \quad \frac{6}{2+5}$

$X = 0.85714$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y+(-7)=5+6y$ $-7 \quad -7$ $4y = 5+-7+6y$ $+6y \quad +6y$ $6y+4y = 5+-7$ $\frac{y(6+4)}{6+4} = \frac{5+-7}{6+4}$ $y = 3.66$	- divide both sides by -7 Add both sides by 6y to put on Left side - Factor common factor - Divide both sides

+8y.

5) Solve for y:

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

$+(-8y)$

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

$-3 + 7 \quad +(-3)$

$= 2y + (-8y)$

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

$0.4 = y$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x + 6.3$ -6.3 $-1.8x = 9.7 + 5.1x + 6.3$ $+5.1x$ $-1.8x + 5.1x = 9.7 + 6.3$ $x(-1.8 + 5.1) = 9.7 + 6.3$ $(-1.8 + 5.1) \quad -1.8 + 5.1 \quad 16$ 49.2 $X = 0.32520$	~~So~~ divide -6.3. $+5.1$ to left side factor common factor Solve.

7) Solve for x:

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

$+(-5.9)$

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

$+6.3x$

$\frac{-5.9 + -13.8}{21.1 + 6.3} = \frac{x(21.1 + 6.3)}{21.1 + 6.3}$

$\frac{-19.7}{27.4} = x$

$0.28832467 = x$

8) Solve for y:

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

Show your work here	For each step, explain why
$+y \quad y + -11.6 + 8.2 = -3.4y + y$ $\frac{-11.6 + 8.2}{-3.4} = \frac{y(-3.4)}{-3.4}$ $-14.011764\overline{71} = y$	- Subtract -11.6 from both sides. - + y to both sides. - factor common factor - divide -3.4 to both sides. - solve.

9) Solve for x:

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

Don't Know

10) Solve for x:

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

Don't Know

Unit 18 Review of Linear Equations – Form B

Ret.

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.

Conho. Prd. 3

1) Solve for y

$9 + 2y = 4$

$y = -10$

2) Solve for x:

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

$x = 5$

3) Solve for x:

$2x + 5x = 6$

$x = -2$

4) Solve for y:

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

Show your work here	For each step, explain why
$y = 2$	I multiplied 2 by 6 and 4.

5) Solve for y:

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

$y = -3$

6) Solve for x:

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

Show your work here	For each step, explain why
$x = 2.4$	I multiplied 2.4 by -1.8 and 5.1.

7) Solve for x:

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

$x = 3.4$

8) Solve for y:

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

Show your work here	For each step, explain why
$y = 1.3$	I multiplied 1.3 by -3.4 and added 1.3 to 8.2.

9) Solve for x:

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

$X = 2$

10) Solve for x:

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

$X = 0.5$

Unit 18 Review of Linear Equations – Form B

Key

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.

Conho. Prd. 3

1) Solve for y

$9 + 2y = 4$

$2y + 9 = 4$

$2y + 9 = 4$

$-9 \quad -9$

$2y = -5$

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

$y = -2.5$

2) Solve for x:

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

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

$-6 \quad -6$

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

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

$x = 36$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

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

$x = 0.857142857$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $4y + (-7) = 5 + 6y$ $-(-7) \quad -(-7)$ $4y = 6y + 12$ $4y = 6y + 12$ $-6y \quad -6y$ $-2y = 12$ $\frac{-2y}{-2} = \frac{12}{-2}$ $y = -6$	original problem subtract 7 from both sides subtract subtract 6y from both sides subtract divide both sides by -2 divide

5) Solve for y:

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

$-7 \quad -7$

$-8y = 2y + (-10)$

$-8y = 2y + -10$

$-2y \quad -2y$

$-10y = -10$

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

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$	original problem
$-1.8x + 6.3 = 9.7 + 5.1x$	subtract 6.3 from both sides
$-6.3 \quad -6.3$	
$-1.8x = 5.1x + 3.4$	simplified
$1.8x = 5.1x + 3.4$	subtract 5.1x from both sides
$-5.1x \quad -5.1x$	
$-6.9x = 3.4$	simplified
$\frac{6.9x}{-6.9} = \frac{3.4}{-6.9}$	divide -6.9 from both sides
$x = 0.492753623$	divide

7) Solve for x:

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

$-(-13.8) \quad -(-13.8)$

$6.3x = 21.1x + 7.9$

$6.3x = 21.1x + 7.9$

$-12.1x \quad -21.1x$

$-5.8x = 7.9$

$\frac{-5.8x}{-5.8} = \frac{7.9}{-5.8}$

$x = -1.3620608966$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$	original problem
$y + 8.2 = -3.4y + (-11.6)$ $-8.2 \quad -8.2$	subtract 8.2 from both sides
$y = -3.4y + (-19.8)$	subtract
$y = -3.4y + (-19.8)$ $+(3.4y) \quad +(-3.4y)$	subtract both sides by $-3.4y$
$4.4y = -19.8$	subtract
$\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$	divide both sides by 4.4
$y = -4.5$	divide

9) Solve for x:

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

$3x + 8 \cdot 7 = -12x \cdot 7$

7

$3x + 8 = -12x \cdot 7$

$3x + 8 = -12x \cdot 7$

$-8 \qquad\qquad -8$

$3 \cdot \ldots \cdot (-1)$

$3x = -12x \cdot (-1)$

$+(12x) \quad +(12x)$

$15x = -1$

$\frac{15x}{15} = \frac{-1}{15}$

$x = -0.06666$

10) Solve for x:

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

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

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

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

$-21.1 \qquad\qquad -21.1$

$5.2x = -9.2x + (-5.3)$

$5.2x = -9.2x + \ldots$

$+(9.2x) \quad +(9.2x)$

$14.4x = -5.3$

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

$x = -0.368055$

Unit 18 Review of Linear Equations – Form B

Ret.

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.

Conho. Rd. 3

1) Solve for y

$9 + 2y = 4$

$2y = -5$

$y = -2.5$

2) Solve for x:

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

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

$4x = -9$

$x = -2.25$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

$x = 0.857$

4) Solve for y:

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

Show your work here		For each step, explain why
$4y - 7 = 5 + 6y$	(1)	(1) I re-wrote the problem, eliminating the parentheses
$4y = 12 + 6y$	(2)	(2) I added 7 to both sides
$-2y = 12$	(3)	(3) I subtracted $6y$ from both sides
$y = -6$	(4)	I divided by 2 on both sides

5) Solve for y:

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

$-8y = -10 + 2y$

$-10y = -10$

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ ①	① I rewrote the problem
②	② I subtracted 6.3 from both sides
$-1.8x = 3.4 + 5.1x$	
③	③ I subtracted 5.1x from both sides
$-6.9x = 3.4$	
④	④ I divided -6.9 from both sides to get my answer
$x = -0.49\overline{28}$	

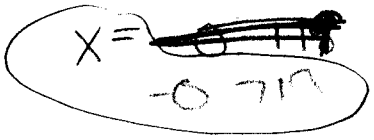
7) Solve for x:

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

$13.8 + 6.3x = 21.1x - 5.9$

$6.3x + 13.8 = 21.1x - 19.7$

$27.4x = -19.7$



8) Solve for y:

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

Show your work here		For each step, explain why
$1y + 8.2 = -3.4y - 11.6$	①	① I re-wrote the problem
$1y = 3.4y - 3.4$	②	② I subtracted 8.2 from both sides
$4.4y = -3.4$	③	③ I added $3.4y$ to both sides
$y = -0.7\overline{72}$	④	④ I divided both sides by 4.4

9) Solve for x:

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

$21x + 56 = -12x$

$21x = -12x - 56$

$33x = -56$

$x = -1.697$ (8 of them)

10) Solve for x:

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

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

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

$5.2x = -9.2x - 5.3$

$14.4x = -5.3$

$x = -0.3680\overline{5}$

Unit 18 Review of Linear Equations – Form B

Rot.

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.

Conho. Rd. 3

1) Solve for y

$9 + 2y = 4 \cdot 9$

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

$y = -2.5$

2) Solve for x:

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

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

$x = 36$

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
$4y + (-7) = 5 + 6y$ $-6y \quad\quad -6y$ $-2y + (-7) = 5 + 7$ $+7 \quad\quad +7$ $\frac{-2y}{-2} = \frac{12}{-2}$ $y = -6$	First I combined like terms. Then I added 7 to both sides. After that I divided by -2 on both sides to get my answer.

5) Solve for y:

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

$-7 \quad -6y = -3 - 7$

$\frac{-6y}{-6} = \frac{-10}{-6}$

$y = 1.6666$

6) Solve for x:

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

Show your work here	For each step, explain why
$-6.9x + 6.3 = 9.7 - 6.3$ $-6.3 \quad -6.3$ $\frac{-6.9x}{-6.9} = \frac{3.4}{-6.9}$ $x = -0.49$	

7) Solve for x:

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

$-13.8 - 14.8x = -5.9$
$+13.8 \quad +13.8$

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

$x = -0.53$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4y \quad +3.4y$ $4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$ $y = -4.5$	I combined like terms, then I subtracted 8.2 from both sides. Then I divided both sides by 4.4.

9) Solve for x:

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

10) Solve for x:

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

$+7.4x \quad +7.4x$

$20x + 21.1 = -9.2x + 15.8$

$-9.2x \quad -9.2x$

$10.8x + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{10.8x}{10.8} = \frac{-5.3}{10.8}$

$x = -0.4907$

Unit 18 Review of Linear Equations – Form B

Rat.

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.

Lenho. Prd. 3

1) Solve for y

$9 + 2y = 4$

-5

$\frac{}{2}$

$y = 2.5$

2) Solve for x:

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

-9

$x = 36$

$\frac{x}{-4}$

36

3) Solve for x:

$2x + 5x = 6$

$\frac{5x}{5} = \frac{6}{5}$

$x = 1.2$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + -7 = 5 + 6y$ $+7 \quad +7$ $4y = 12 + 6y$ $-6y \quad -6y$ $12 = 6$ $y = 21$	$+7$ -12 $y = 21$

5) Solve for y:

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

$+8y$

$7 = -3 + 2y$

$-3 \quad -3$

$\frac{4}{2} = \frac{2y}{2}$

$y = 2$

6) Solve for x:

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

$+1.8x \quad +1.8x$

Show your work here	For each step, explain why
$6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$ $x \to .49275$	$+1.8x$ -9.7 $\div 6.9$ $x = 49275$

7) Solve for x:

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

$-6.3 \quad -6.3$

$-13.8 - 14.8x + -5.9$

$5.9 \quad +5.9$

$-7.9 = 14.8x$

$14.8 \quad 14.8$

$X = -0.533378$

8) Solve for y:

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

Show your work here	For each step, explain why
$8.2 = -3.4y + 11.6$ $6.5 = -3.4y$ 3.4 $y = 1.5$	$-y$ -11.6 -3.4

9) Solve for x:

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

$-15X$

$X7 =$

$X = 5$

10) Solve for x:

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

$-1.1X - 9.2X + 15.8$

$X = 7$

Unit 18 Review of Linear Equations – Form B

Rot.

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.

Conlw. Ard. 3

1) Solve for y

$9 + 2y = 4$

$-9 \quad -9$

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

$y = -2.5$

2) Solve for x:

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

$-6 \quad -6$

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

$36 = x$

3) Solve for x:

$2x + 5x = 6$

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

$x = 0.86$

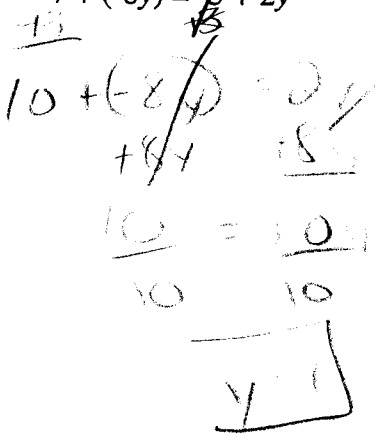
4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $10y + (-7) = 5$ $+7 \quad +7$ $\frac{10y}{10} = \frac{12}{10}$ $\boxed{1y = 1.2}$	I took and added like terms then I added $-7 + 7$ and $5 + 7$ and got $10y = 12$ then I divided by 10 and got my answer of $y = 1.2$

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
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8 \quad -9.7 = -9.7 \quad +1.8x$ $-3.4 = 6.9x$ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$ $x = -0.49$	I took and subtracted 9.7 then I took and added 1.8x and got $-3.4 = 6.9x$ and $x = -0.49$.

7) Solve for x:

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

$-6.3 \quad -6.3$

$-13.8 = 14.8x + (-5.9)$

$+5.9 \quad +5.9$

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

$x = -0.534$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4 \quad +3.4$ $4.4y + 8.2 = (-11.6)$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-3.4}{4.4}$ $y = -0.773$	I took and added 3.4 to the y and got $4.4y + 8.2 = 11.6$ then I subtracted 8.2 and got $4.4y = 3.4$ and got my answer $y = -0.77$

9) Solve for x:

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

$3x + 8 = -12x$

$-21 \qquad -21x$

$\frac{56}{56} \quad \frac{-33x}{56}$

$-0.39 = x$

10) Solve for x:

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

$-4x + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{-4x}{-4} = \frac{-5.3}{-4}$

$x = 1.3$

Unit 18 Review of Linear Equations – Form B

Rat.

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.

Conho. Prd. 3

1) Solve for y

$9 + 2y = 4$

2) Solve for x:

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

3) Solve for x:

$2x + 5x = 6$

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

$x = 0.857$

4) Solve for y:

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

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

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:

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

Unit 18 Review of Linear Equations – Form B

Rent.

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.

Combo. Prd. 3

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
	I subtracted

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:

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

Unit 18 Review of Linear Equations – Form B

Rat.

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.

Lonho. Prd. 3

1) Solve for y

$9 + 2y = 4$

$-9 \quad -9$

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

$y = -2.5$

2) Solve for x:

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

$-6 \quad -6$

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

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

$x = .\overline{44}$

3) Solve for x:

$2x + 5x = 6$

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

$x = .857$

$x = 85.71$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $\frac{10y}{10} = \frac{-2}{10}$ $y = -.2$	1. re write problem to work it 2 Combine like terms to make it smaller 3. divide to get x 4. get answer

5) Solve for y:

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

$\frac{-6y}{-6} = \frac{4}{-6}$

$y = -.\overline{66}$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $\frac{3.3x}{3.3} = \frac{16}{3.3}$ $x = 4.\overline{84}$	1. rewrote problem to solve it 2. combine like terms 3. divide 4. get answer

7) Solve for x:

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

$\frac{27.4x}{27.4} = \frac{-19.7}{27.4}$

$x = -.71897810\overline{2}$

$x = -71.89$

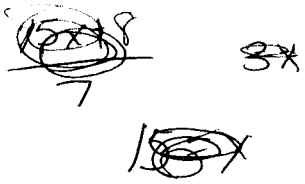
8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = 3.4y + (-11.6)$ $\frac{4.4y}{4.4} = \frac{-3.4}{4.4}$ $x = -.77\overline{27}$ $x = -77.\overline{27}$	1. rewrote problem to solve it. 2. Combine like terms to make it smaller & easier 3. divide to get answer 4. got x 5. move decimal

9) Solve for x:

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



$$\frac{15x+8}{7}$$

10) Solve for x:

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

$$\frac{3.4x}{3.4} = \frac{36.9}{3.4}$$

$$x = 10.85294118$$

Unit 18 Review of Linear Equations – Form B

Rat.

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.

Combo. Prd. 3

1) Solve for y

$9 + 2y = 4$

$-9 \quad -9$

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

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

2) Solve for x:

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

$-6 \quad -6$

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

$x = 36$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

$x = 1\frac{3}{7}$

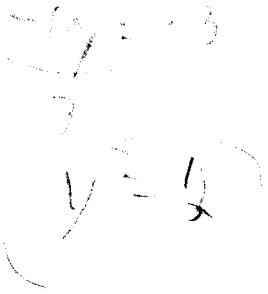
4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $10y + (-7) = 5$ $-2y = 12$ $y = -6$	

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*:

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

27.4x + (-5.9)

x = 21.58

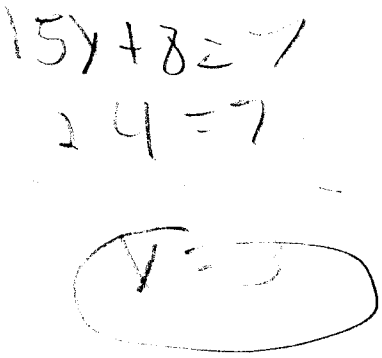
8) Solve for *y*:

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

Show your work here	For each step, explain why
y + 8.2 = -3.4y + (-11.6) [illegible] [illegible]	Combined [illegible] [illegible] took numbers [illegible] y =

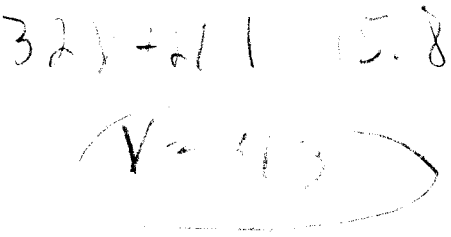
9) Solve for x:

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



10) Solve for x:

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



Unit 18 Review of Linear Equations – Form B

Rat.

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.

Combo. Prd. 3

1) Solve for y

$9 + 2y = 4$

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

$2y = -5$

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

$y = (-2.5)$

2) Solve for x:

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

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

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

$x/-4 \cdot -4 = -9 \cdot -4$

$x = 36$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

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

$x = .85$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + -7 + 7 = 5 + 7 + 6y$ $4y = 12 + 6y$ $\frac{10y}{10} = \frac{12}{10}$ $y = 1.2$	to get rid of 7 Added y's divided final answer

5) Solve for y:

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

$7 = -3 + 10y$

$\frac{10}{10} + \frac{10y}{10}$

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$6.3 = 9.7 + 6.9x$ $6.3 - 9.7 = 9.7 - 9.7 + 6.9x$ ✗ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$ $-.4927 = x$	ed $-1.8x + 5.1x$ got rid of 9.7 divided final answer

7) Solve for x:

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

$-13.8 = 14.8x + (-5.9)$

$-13.8 + (+5.9) = 14.8x$

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

$-.53 = x$

8) Solve for y:

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

Show your work here	For each step, explain why
$8.2 = 4.4y + (11.6)$ $8.2 - 11.6 = 4.4y$ $19.8 = 4.4y$ $\frac{19.8}{4.4} = \frac{4.4y}{4.4}$ $4.5 = y$	added y's added 8.2 and 11.6 divided by 4.4 to get final answer of 4.5

9) Solve for x:

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

$8 = 9x$

$1.14 = 9x$

$.1269 = x$

10) Solve for x:

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

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

$14.4x + 21.1 = 15.8$

$14.4x = -6.7$

$x = .4652777778$

Unit 18 Review of Linear Equations – Form B

Rot.

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.

Combo. Prd. 3

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:

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

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

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

3) Solve for x:

$2x + 5x = 6$

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

$x = .857$

4) Solve for y:

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

Show your work here	For each step, explain why
$y = 9$	

5) Solve for y:

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

$7+(-6y)=-3$

$-7+(-6y)=-3-7$

$\frac{6y}{6} = \frac{-16}{6}$

$y=.6$

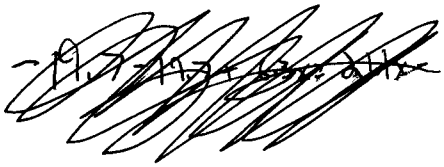
6) Solve for x:

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

Show your work here	For each step, explain why
$3.3x+6.3-6.3=9.7-6.3$ $\frac{3.3x}{3.3} = \frac{3.4}{3.3}$ $x=0.970$	

7) Solve for x:

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



I don't know

8) Solve for y:

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

Show your work here	For each step, explain why
$4.4y + 8.2 - 8.2 = (-11.6)$ $y = -.05d$	

9) Solve for x:

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

$X = 12X$

10) Solve for x:

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

$X = 12.6$