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CWCTC   Conko – Period 3   Pre-Test

Conko Prd. 3 - CWCTC

Lisa Anthony

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

[handwritten work:]
$$7 - 7 + 5y = 2$$
$$5y = 2$$
$$y = 0.4$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

[handwritten work:]
$$x = -10$$
$$\frac{x}{-5} = -10$$
$$x = -50$$

3) Solve for x:

$$4x + 8x = 9$$

$$12x = 9$$

$$\frac{12x}{12} = \frac{9}{12}$$

$$x = 0.75$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$7y + (-8) = 5$ $7y + (-8 \cancel{\times} 8) = 5 - 8$ $\cancel{7}y = \frac{13}{7}$ $y = 1.857$	First I subtracted -8 from -8 1 from -8 next I divided 7 from 7y 3 from thirteen and got the answer

5) Solve for y:

$6 + (-7y) = -1 + 2y$

(handwritten work)

$6 + (-7y) = 1$

$-5y = -7$

$\dfrac{-5y}{5} = \dfrac{-7}{5}$

$y = 1.4$

6) Solve for x:

$-3.2x + 4.1 = 12.8 + 6.4x$

Show your work here	For each step, explain why
(handwritten work) $3.2x = \dfrac{8.7}{3.2}$ $\dfrac{}{3.2}$ $y = 3.5$	*(handwritten, illegible)*

7) Solve for *x*:

-2.8 + 5.1*x* = 11.8*x* + (-3.4)

$$-2.8 + 16.9x = (-3.4)$$

$$-2.8 \cancel{-2.8} + 16.9x = (-3.4 - -2.8)$$

$$\frac{16.9x}{16.9} = \frac{-0.6}{16.9}$$

$$x = 0.035$$

8) Solve for *y*:

y + 12.3 = -4.1*y* + (-9.2)

Show your work here	For each step, explain why
$4.1y + 12.3 \cancel{12.3} - 12.3 = (-9.2) - 12.3$ $\dfrac{4.1y}{4.1} = \dfrac{-21.5}{4.1}$ $y = -5.243$	

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$4x + 4 = -9x$

$4x + 9x + 4 = -9x + 4$

$\frac{-9}{9} = \frac{4}{3}$

$x = -0.8$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$64.94x + 19.1 = 12.8$

$64.94x + 19.1 - 19.1 = 12.8 - 19.1$

$64.94x = -6.3$

$x = -0.0970$

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Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$7 + 5y = 2 - 7$

$\dfrac{5y}{5} = \dfrac{5}{5}$

$y = 1$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$\dfrac{x}{-5} + 8 = -2$

$\dfrac{x}{-5} = -10$

$\dfrac{x}{-5} = -10 \cdot$

$x = ?$

3) Solve for x:
$$4x + 8x = 9$$

$$\frac{12x}{12} = \frac{9}{12}$$

$$x = .75$$

4) Solve for y:
$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $3y + (-8) = 5 + 4y$ $3y = 13 + 4y$ $3y = 13 + 4y$ $\dfrac{7y}{7} = \dfrac{13}{7}$ $y = 18$	Add 8 on both sides Then add like terms Then divid by 7 And get $y = 18$

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$6 + (-7y) = -1 + 2y + 7y$$

$$6 = -1 + 9y$$

$$+1 \quad \quad +1$$

$$\frac{7}{9} = \frac{9y}{9}$$

$$y = 1.28$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$	First subtract 4.1
$-3.2x + 4.1 = 12.8 + 6.4x$	Then add like terms
$-3.2x = 8.7 + 6.4x$	Sub. 6.4x
$-6.4x - 3.2x = 8.7 + 6.4x$	divide by -9.6
$-9.6x = 8.7$	x = 110
$\frac{-9.6x}{-9.6} = \frac{8.7}{-9.6}$	
$x = 110$	

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$-3.4 - 2.8 = 5.1x - 11.8x + (-3.4)$

$-6.2 + 5.1x = 11.8x$

$-6.2 + 16.9x = 0 \quad -6.2$

$$\frac{16.9}{16.9} = \frac{-6.2}{16.9}$$

$x = -.36$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
$-9.2y + 12.3 = -4.1y + (-9.2)$	Subtract -9.2 from both sides
$y + 3.1 = -4.1y$	combine like terms
$\dfrac{3.4}{3.4} = \dfrac{-4.1y}{3.4}$	divide by 3.4
$y = 1.2$	Get $y = 1.2$

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$$\frac{4x}{3} + \frac{12}{3} = -9x$$

$$1.3x + 4 = -9x$$

$$\frac{-10.3x}{4} = \frac{4}{4}$$

$$\backslash \quad y = 2.51r$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$$\begin{array}{ll} 14.1x & 19.1 = 23.5 \\ 8.2x & 12.8 \\ 6.2x & \\ \overline{23.5x} & \overline{31.9} \quad \frac{31.9}{31} \quad \frac{23.5x}{31.9} \end{array}$$

$$x \; .73$$

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Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

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

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$
$$\qquad -8 \quad -8$$

$$\frac{x}{-5} = -10$$

$$x \cdot 5$$

$$x = 50$$

3) Solve for x:

$$-4x + 8x = 9$$

$$-4$$

$$\frac{8}{8} = \frac{-4}{5}$$

$$36x + 72x$$

$$x = .75$$

Don't know how to do

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

\

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

9SHYrfx

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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.

1) Solve for y

$$7 + 5y = 2$$

$Y = -13$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$X = -3$

3) Solve for x:

$$4x + 8x = 9$$

$$x = -1$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $\underset{-8}{3y} + (-8) = \underset{-8}{9y}$ $-5y = 1y$ $\boxed{y = -4}$	First I added the numbers that needed to be added. Then I subtracted eight from the two numbers. Finally I added $-5y + 1y$ and got the sum of $-4 = y$.

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$y = 6$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$ $1.3x \quad 18.1x$ $x = 10$	First I added and then I subtracted on the calculator and then I got the sum of 10 = x.

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$x = -9$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
$y + 12.3 = -4.1y + (-9.2)$ $y = -2$	First I added the y's together then I got my answer of -2= y.

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$x = -5$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$x = -12$

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Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$$7 + 5y = 2$$
$$-7 \qquad -7$$
$$\overline{}$$
$$5y = -5$$

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

$$\boxed{y = -1}$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$$\frac{x}{-5} + 8 = -2$$
$$-8 \quad -8$$
$$\overline{}$$

$$\frac{x}{-5} = -10$$

$$\frac{x}{-5} \cdot (-5) = -10 \cdot (-5)$$

$$\boxed{x = 50}$$

3) Solve for x:

$$4x + 8x = 9$$

$$4x + 8x = 9$$

$$\frac{12x}{12} = \frac{9}{12}$$

$$\boxed{x = 0.75}$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$	original problem
$4y - 3y + (-8) = 5 + 4y - 4y$	subtract 4y from each side
$y + (-8) = 5$	add/subtract
$y + (8) = 5$	subtract -8 from both sides and subtract
$\underline{-(-8) \quad -(-8)}$	
$\boxed{y = 13}$	

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$6 + (-7y) = -1 + 2y$$

$$6 + (-7y) = -1 + 2y$$
$$+2y -2y$$

$$6 + -5y = -1$$

$$6 + -5y = -1$$
$$-6 -6$$

$$-5y = -7$$

$$\frac{-5y}{-5} = \frac{-7}{-5}$$

$$\boxed{y = 1.4}$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$	original problem
$-3.2x + 4.1 = 12.8 + 6.4x$ $-6.4x -6.4x$	subtract 6.4x from each side
$-9.6x + 4.1 = 12.8$	subtract
$-9.6x + 4.1 = 12.8$ $-4.1 -4.1$	subtract 4.1 from each side
$-9.6x = -1.3$	subtract
$\dfrac{-9.6x}{-9.6} = \dfrac{-1.3}{-9.6}$	divide -9.6 from each side
$\boxed{x = 0.13541666}$	divide

Unit 18 Form A

7) Solve for x:

$-2.8 + 5.1x = 11.8x + (-3.4)$

$-2.8 + 5.1x = 11.8x + (-3.4)$

$-2.8 + 5.1x = 11.8x + (3.4)$
$\qquad\quad -11.8x \qquad -11.8x$

$-2.8 + -6.7x = -3.4$
$-(-2.8) \qquad\qquad -(-2.8)$

$\dfrac{-6.7x}{-6.7} = \dfrac{-0.6}{-6.7}$

$x = 0.0895522238$

8) Solve for y:

$y + 12.3 = -4.1y + (-9.2)$

Show your work here	For each step, explain why
$y + 12.3 = -4.1y + (-9.2)$	original problem
$y + 12.3 = 4.1y + (-9.2)$ $+(-4.1y) \qquad +(-4.1y)\cdot$	add $-4.1y$ to both sides
$-3.1y + 12.3 = -9.2$ $\qquad\quad -12.3 \quad -12.3$	subtract -12.3 from both sides
$\dfrac{-3.1y}{-3.1} = \dfrac{-21.5}{-3.1}$	divide -3.1 from both sides
$y = 6.935483871$	answer

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

$$\frac{4x+12}{3} = -9x$$

$$\frac{4x-4x+12}{3} = -9x - 4x$$

$$\frac{12}{3} = -5x$$

$$\frac{4}{-5} = \frac{-5x}{-5}$$

$$\boxed{-0.8 = x}$$

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$$14.1x + 19.1 + (-8.2x) = 6.2x + 12.8$$

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$
$$-(-6.2x) \qquad\qquad -6.2x$$

$$12.1x + 19.1 = 12.8$$
$$-19.1 \qquad -19.1$$

$$\frac{12.1x}{12.1} = \frac{-6.3}{12.1}$$

$$\boxed{x = -0.52066157}$$

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Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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

$$-\frac{7 + 5y = 2}{-7} \quad \frac{}{-7}$$

$$5y = -5$$

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$
$$\quad -8 \quad -8$$

$$\frac{x}{-5} = -10$$

$$x = 50$$

3) Solve for x:

$4x + 8x = 9$

$12x = 9$

$x = 0.75$

4) Solve for y:

$3y + (-8) = 5 + 4y$

Show your work here		For each step, explain why
$3y + (-8) = 5 + 4y$	①	① I re-copied the problem
$3y = 5 + 4y - 8$	②	② I subtracted 8 from both sides
$-1y = 5 - 8$	③	③ I subtracted 4y from both sides
$-1y = -3$	④	④ I combined like terms
$\frac{-1y}{-1} = \frac{-3}{-1} \rightarrow y = 3$	⑤	④⑤ I divided to get y by itself

Unit 18 Form A

5) Solve for *y*:

$6 + (-7y) = -1 + 2y$

$$6 - 7y = -1 + 2y$$

$$-7y = -1 + 2y - 6$$

$$-9y = 1 - 6$$

$$\frac{9y}{9} = \frac{-5}{9}$$

$$y = -0.\overline{5}$$

6) Solve for *x*:

$-3.2x + 4.1 = 12.8 + 6.4x$

Show your work here		For each step, explain why
$3.2x + 4.1 = 12.8 + 6.4x$	①	① I re-copied the problem
$-3.2x = 12.8 + 6.4x - 4.1$	②	② I subtracted 4.1 from both sides
$9.6x = 12.8 - 4.1$	③	③ I subtracted 6.4x from both sides
$-9.6x = 8.7$	④	④ I combined like terms
$\frac{-9.6x}{-9.6} = \frac{8.7}{-9.6} \rightarrow x = 0.90625$	⑤	⑤ I divided to get x by itself

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$-2.8 + 5.1x = 11.8x - 3.4$$

$$\downarrow$$

$$5.1x = 11.8x - 3.4 + 2.8$$

$$\downarrow$$

$$-6.7x = -3.4 + 2.8$$

$$\downarrow$$

$$\frac{-6.7x}{-6.7} = \frac{-0.6}{-6.7}$$

$$x = 0.0895$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
① $1y + 12.3 = -4.1y - 9.2$	① I re-copied the problem
② $1y = 4.1y - 9.2 - 12.3$	② I subtracted 12.3 from both sides
③ $-3.1y = -9.2 - 12.3$	③ I subtracted 4.1y from both sides
④ $-3.1y = -21.5$	④ I combined like terms
⑤ $\frac{-3.1y}{-3.1} = \frac{-21.5}{3.1} \rightarrow y = -6.9354$	⑤ I divided to get y by itself

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$$\cancel{4x} + 36 = -9x - 12x$$

$$36 = -21x$$

$$x = -1.71428$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$$14.1x + 19.1 - 8.2x = -6.2x + 12.8$$

$$5.9x + 19.1 = -6.2x + 2.8$$

$$5.9x = 6.2x - 16.3$$

$$3.3x = -16.3$$

$$x = 4.\overline{93}$$

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Unit 18 Form A

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

$$7 + 5y = 2$$

$y = -1$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$x = 50$

3) Solve for x:

$4x + 8x = 9$

~~(scribbled out)~~

$4x + 8x = 9$

$$\frac{4x}{12x} = 9$$

$x = 0.75$

4) Solve for y:

$3y + (-8) = 5 + 4y$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $\quad\frac{3y}{}$ $(-8) = 5 + 7y$ $\frac{5}{3} = 7y$	

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$6 + \dfrac{2y}{-5y} = -1$

$-5y = 5 \cdot -1$

$y = -1$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$-2.8 + \overset{11.8x}{\overline{16.9x}} = -3.4$$

$$-2.8$$

$$16.9x = -6.2$$

$$x = -2.7$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$$+ 4x$$

$$\frac{12}{3} = -5x$$

$$x = -2$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

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Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$
$$-7 \qquad -7$$

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

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2 \quad -8$$

$$-5 \cdot \frac{x}{-5} = -10 \cdot -5$$

$$x = 50$$

3) Solve for x:

$$4x + 8x = 9$$

$$\frac{12x}{12} = \frac{9}{12}$$

$$x = 0.75$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $-4y \qquad\qquad -4y$ $-1y + (-8) = 5$ $\qquad -8 \quad -8$ $\dfrac{-1y}{-1} = \dfrac{13}{-1}$ $y = -13$	First I combined like terms. Then I subtracted -8 from both sides. Then I divided by -1y to get the answer -13.

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$6 + (-9y) = -1$$
$$-6 \qquad -6$$

$$\frac{-9y}{-9} = \frac{-7}{-9}$$

$$y = 0.777$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$ $+3.2x \qquad\qquad\qquad +3.2x$ $4.1 = 12.8 + 9.6x$ $-12.8 \quad -12.8$ $\dfrac{-8.7}{9.6} = \dfrac{9.6x}{9.6}$ $-0.906 = x$	First I combined like terms. Then I ~~added~~ subtracted 12.8 from both sides. Then I divided by 9.6 on both sides to get my answer.

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$-2.8 = 6.7x + (-3.4)$$
$$-3.4 \qquad -3.4$$

$$\frac{0.6}{6.7} = \frac{6.7x}{6.7}$$

$$0.0895 = X$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
$y + 12.3 = -4.1y + (9.2)$ $-y \qquad -y$ $12.3 = -5.1y + (-9.2)$ $--9.2 \qquad --9.2$ $\frac{21.5}{5.1} = \frac{5.1y}{5.1}$ $4.2156 = y$	

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

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Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$$-7 \quad \quad -7$$

$$\frac{-5}{5}$$

I subtracted 7

I Divided 5

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$$-8 \quad -8$$

$$x \cdot 5$$

$$x = \frac{-10}{5} \quad x = 50$$

$$x - 5$$

3) Solve for x:

$4x + 8x = 9$

$$\frac{12x}{12} = \frac{9}{12}$$

$$x = .75$$

4) Solve for y:

$3y + (-8) = 5 + 4y$

$+3y + 4y \text{ to get } 7y$

Show your work here	For each step, explain why
$7y + {}^-8 = 5$ $\quad +8 \ +8$ $\dfrac{7y}{7} = \dfrac{13}{7}$ $y = 1.857$	$+8$ to get $7y$ $5 + 8 = 13$ Divide By 7 $\dfrac{13}{7} = 1.857$

5) Solve for y:

$6 + (-7y) = -1 + 2y$

$6 + -5y = -1$

$-6 \qquad -6$

$\dfrac{-5y}{-5} = \dfrac{-7}{-5}$

$y = 1.4$

6) Solve for x:

$-3.2x + 4.1 = 12.8 + 6.4x$

$-3.2X + 6.4X = 3.2X$

Show your work here	For each step, explain why
$3.2X + 4.1 = 12.8$ $\quad -4.1 \quad -4.1$ $\dfrac{3.2X}{3.2} = \dfrac{8.7}{3.2}$ $X = 2.71875$	$12.8 - -4.1 =$ $\dfrac{8.7}{3.2}$

7) Solve for x:
$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$\begin{array}{r} 11.8X \\ + 5.1X \\ \hline 16.9X \end{array}$$

$$-2.8 + 16.9x = -3.4$$
$$+2.8 \qquad\qquad +2.8$$
$$\frac{16.9X}{16.9} = \frac{-0.6}{16.9}$$

$$X = -0.0355$$

8) Solve for y:
$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
$$\begin{array}{r} 12.3 \\ \hline -4.1y \end{array}$$ $$y = -3$$	

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$$X = 7.69$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$$X = 21.72$$

Vd9xmeb

CWCTC   Conko – Period 3   Pre-Test

Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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.
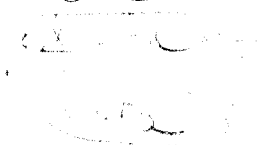
1) Solve for y

$$7 + 5y = 2$$
$$-7 \qquad -7$$

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

$$\boxed{-1 = y}$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$
$$\qquad -8 \quad -8$$

$$(-5)\frac{x}{-5} = -10$$

$$\boxed{x = 50}$$

3) Solve for x:

$$4x + 8x = 9$$

$$\frac{11x}{11} = \frac{9}{11}$$

$$\boxed{x = \frac{9}{11}}$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $\quad\quad +8 \quad +8$ $\dfrac{13 + 7y}{7} \quad \dfrac{}{7}$ $\boxed{1.857142 = y}$	I took the like terms and added them then I took minus 8 and got +3 and divided by 7 and got my answer of 1.857142.

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$-6 \qquad -6$$

$$\frac{-5y}{-5} = \frac{-7}{-5}$$

$$\boxed{y = 1.4}$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$ $-3.2x \ \ -4.1 \ -4.1$ $\dfrac{3.2x}{3.2} = \dfrac{8.7}{3.2}$ $\boxed{x = 2.71875}$	I added like terms and got 3.2x then I subtracted 4.1 from 12.8 and got 8.7 then I divided by 3.2 and got my answer of 2.71875.

7) Solve for x:

$-2.8 + 5.1x = 11.8x + (-3.4)$

$+2.8 \qquad\qquad +2.8$

$$\frac{-0.6}{16.9} = \frac{16.9x}{16.9}$$

$-0.035502959 = x$

8) Solve for y:

$y + 12.3 = -4.1y + (-9.2)$

Show your work here	For each step, explain why
$y + 12.3 = -4.1y + -9.2$ $-12.3 \qquad\qquad -12.3$ $\dfrac{-3.1y}{-31} = \dfrac{-21.5}{-3.1}$ $y = 6.935483871$	I added like terms and got $-3.1y$ then subtracted 12.3 and got -21.5 then divided by -3.1 and got my answer of 6.935483871.

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$12x + 36 = -9x$

$-21x = 36$

$\frac{-21x}{-21} = \frac{36}{-21}$

$x = -1.714285714$

10) Solve for x:

$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$

$-19.1 \qquad\qquad -19.1$

$\frac{12.1x}{12.1} = \frac{-6.3}{12.1}$

$x = -0.5206611157$

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CWCTC   Conko – Period 3   Pre-Test

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

3) Solve for x:

$$4x + 8x = 9$$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

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Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

3) Solve for *x*:

$4x + 8x = 9$

4) Solve for *y*:

$3y + (-8) = 5 + 4y$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $3y \; 3 = 5 + 4y$ $1 = -1$	

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why

7) Solve for x:

$-2.8 + 5.1x = 11.8x + (-3.4)$

8) Solve for y:

$y + 12.3 = -4.1y + (-9.2)$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

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Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

3) Solve for *x*:

$$4x + 8x = 9$$

$$\frac{12x}{12} = \frac{9}{12}$$

.75 X

4) Solve for *y*:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y+(-8)=5+4y$ $3y+(-8)=$ $+8$ 8 $3 = 12$ $y = 12$ (answer)	1. rewrite answer so its correct to do 2. subtract ... to make it easier 3. add ... $= 5$ + get right 4. ... $y = 12$ (answer)

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

$$6 + -5y = -1$$
$$-6 \qquad -6$$

$$\frac{-5y}{} = \frac{-7}{5}$$

$$y = 1.4$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$	
$3.2x + 4.1 = 12.8$	
$\quad -4.1 \qquad 4.1$	
$\frac{3.2x}{} = 8.7$	

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

(handwritten work:)

-2.8 + 16.9x = -3.4

$\dfrac{16.9x}{16.9} = \dfrac{0.6}{16.9}$

x = 0.035503...

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
(handwritten work) $y + 12.3 = -4.1y + (-9.2)$ 5.1y + 12.3 = -9.2 (-12.3 -12.3) $\dfrac{5.1y}{5.1} = \dfrac{-3.1}{5.1}$ y = -0.6078...	*(handwritten explanations)* 1. 2. 3. 4. 5.

? 9) Solve for x: ?

$$\frac{4x+12}{3} = -9x$$

$-\frac{12}{3} = -5.$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$-0.3x \cdot 19.1 = 12.8 - 19.1$

$\dfrac{-0.3x}{-0.3} = \dfrac{-6.3}{-0.3}$

$Y \quad 21$

AAAlvYa

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Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$5 + 5y =$

$10y$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

3) Solve for x:

$$4x + 8x = 9$$

$$\frac{12x=9}{3 \quad 3}$$

$$4 = 3$$

(4x)

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $7y + -8 = 5$ $7y - 13$ (y = 7)	I combined the like terms 3y and 4y and got 7y and then did the parentasees and then added 5 and divided.

5) Solve for y:

$6 + (-7y) = -1 + 2y$

$6 + 9y = -1$

$9y + 7$

$15y \quad \boxed{y = 15}$

6) Solve for x:

$-3.2x + 4.1 = 12.8 + 6.4x$

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$ $-9.6x + 4.1 = 12.8$ $9.6 + 4.1 = 13.7$ $13.7 + 12.8$ $\boxed{x = 24.4}$	I combined like terms $-3.2x$ and $6.4x$ and then added in 4.1 and 12.8 and then divided

7) Solve for x:

$-2.8 + 5.1x = 11.8x + (-3.4)$

$5.1x - 11.8x$

$16.9y + 3.4$

$y = 14.11$

8) Solve for y:

$y + 12.3 = -4.1y + (-9.2)$

Show your work here	For each step, explain why
$y + 12.3 = -4.1y + (-9.2)$ $\dfrac{5.1y}{2} = \dfrac{12.3}{2}$ $y = 7$	1 Combined like terms then took the added them and divided by

9) Solve for x:

$$\frac{4x+12}{3} = -9x$$

$4/3 = 1 \quad 12/3 = 4 \quad -9y$

$-3x$

$\boxed{x = -3}$

\

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$14.1y + -8.2y + -6.2y$

$7.8x = 14.1$

$\boxed{x = 28}$

Sgkn3l2

Hi

CWCTC   Conko – Period 3   Pre-Test

Unit 18 Form A

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$7 - 7 \quad \cdots$

$$y = (-1)$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$()(-5)$

$y = 30$

3) Solve for x:

$$4x + 8x = 9$$

$12x = \dfrac{9}{12}$

$y = .75$

4) Solve for y:

$$3y + (-8) = 5 + 4y$$

Show your work here	For each step, explain why
$-8 + 3y + 8 + 8 = 5 - 5 + 4y - 5$	combine #'s to get y alone
$-5y = -1y$	$\div y$
$y = 5$	

5) Solve for y:

$$6 + (-7y) = -1 + 2y$$

6) Solve for x:

$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why

7) Solve for x:

$-2.8 + 5.1x = 11.8x + (-3.4)$

8) Solve for y:

$y + 12.3 = -4.1y + (-9.2)$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

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CWCTC   Conko – Period 3   Pre-Test

Unit 18 Review of Linear Equations – Form A

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

$$7 + 5y = 2$$

$$7 \quad \quad \quad -7$$

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

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$

$$\frac{x}{-5} + 8 \quad \quad$$

$$16$$

$$y = 16$$

3) Solve for x:

$4x + 8x = 9$

$12x = 9$

$\dfrac{12}{12}$

$x = .75$

4) Solve for y:

$3y + (-8) = 5 + 4y$

Show your work here	For each step, explain why
$7y + (-8) = 5$	
$7y + -8\ 8 = 5 - 8$	
$\dfrac{7y}{7} = \dfrac{3}{7}$	
$y = .50$	

5) Solve for *y*:
$$6 + (-7y) = -1 + 2y$$

$$6 + (-5y) = -1 - 6$$

$$\frac{-5y}{5} \quad \frac{-7}{5}$$

$$y = -1.4$$

6) Solve for *x*:
$$-3.2x + 4.1 = 12.8 + 6.4x$$

Show your work here	For each step, explain why
$-9.8y + 4.1 = 12.8 - 9.9$	
$\dfrac{-9.9y}{} \quad 2.9$	
$y = -34$	

7) Solve for x:

$$-2.8 + 5.1x = 11.8x + (-3.4)$$

$$-.6 + 16.9$$

$$x = .6$$

8) Solve for y:

$$y + 12.3 = -4.1y + (-9.2)$$

Show your work here	For each step, explain why
$y = -4.8$	

9) Solve for x:
$$\frac{4x+12}{3} = -9x$$

$$\frac{4y+12\ 12}{3} \quad = -9x$$

$$\frac{\quad}{3} = -21$$

$$x = -7$$

10) Solve for x:
$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$

$$12.1y + 31.9$$

$$y = 41$$