

Unit 18 Review of Linear Equations – Form C

Post

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.

Conkw. Prd. 3

1) Solve for y

$$6 + 8y = 1$$

~~$$6 + 8y = 1$$~~

$$\frac{8y}{8} = \frac{1-6}{8} \quad y = 0.125$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} + 4 - 4 = -7 - 4$$

$$\frac{x}{-3} - 3 = -11$$

$$-3$$

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) - 3 =$ $8y + (-3 - 3) = 2 - 3$ $\frac{8y}{8} = \frac{5}{8}$ $y = 0.625$	I subtracted -3 from both sides then divided 8 from both sides & found the answer

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 + (-1y) = -1$$

$$\cancel{8} - 4(-1y) = -1 - 8$$

$$\frac{-1y}{-1} = \frac{-9}{-1}$$

$$y = 9$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$\begin{aligned} -2.3x + 3.2 &= 8.9 \\ -2.3x + 3.2 - 3.2 &= 8.9 - 3.2 \\ -2.3x &= 5.7 \\ \hline 2.3 & \quad 2.3 \\ X &= 2.565 \end{aligned}$	

$$25.4$$

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$\cancel{-7.4} - \cancel{7.4} + 25.4x = -24.6 - -7.4$$

~~$$25.4x = -17.2$$~~

$$25.4x = -17.2$$

$$25.4 \quad 25.4$$

$$x = -0.677$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$-6.3y + \cancel{-4.2} - \cancel{-4.2} = 9.9 - 4.2$ $\frac{-6.3y}{-6.3} = \frac{14.1}{-6.3}$ $y = 2.238$	<p>First I subtracted -4.2 from 9.9 then I divided -6.3 from 14.1 & got the answer</p>

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

Post

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.

(enlw. Prd. 3

1) Solve for y

$$6 + 8y = 1$$

$$6 + 8y - 6 = 1 - 6$$

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

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} + 4 - 4 = -7 - 4$$

$$\frac{x}{-3} = -11$$

$$\frac{x}{-3} \cdot 3 = -11 \cdot 3$$

$$x = -33$$

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + -3 + 3 = 2 + 2y + 3$ $6y = 5 + 2y$ $\frac{6y}{4} = \frac{5}{4}$ $y = 1.25$	<p>First Add 3 to both sides</p> <p>Then combine like terms</p> <p>Then divide by 4</p> <p>And you get</p> $y = 1.25$

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 + (-5y) - 8 = -8 - 1 + 4y$$

$$-5y = -9 + 4y$$

$$-1y = -9$$

$$-1y \div -1 = -9 \div -1$$

$$y = 9$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 - 3.2 = 8.9 - 3.2$ $-4.8x = 5.7 + 2.5x$ $-2.3x = 5.7$ $x = -2.4782$	<p>Subtract 3.2 Combine like terms</p> <p>Subtract 2.5x</p> <p>Answer is $x = -2.4782$</p>

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$-7.4 + 17.3x + 7.4 = 8.1x + (-24.6) + 7.4$$

$$17.3x = 8.1x + -17.2$$

$$\frac{25.4x}{25.4} = \frac{17.2}{25.4}$$

$$x = .67716$$

8) Solve for y:

$$1y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$1y + 9.9 - 9.9 = -6.3y + (-4.2) - 9.9$ $1y - 6.3y = -14.1$ $-5.3y = -14.1$ $\frac{-5.3y}{-5.3} = \frac{-14.1}{-5.3}$ $y = 2.6603$	<p>Subtract -9.9</p> <p>Then combine like terms</p> <p>divide by -5.3</p> <p>Answer is $y = 2.6603$</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$14x + 10 = -3x$$

$$14x + 10 - 10 = -3x - 10$$

$$14x = -3x - 10$$

$$\frac{11x}{11} = \frac{-10}{11}$$

$$x = -0.90\overline{90}$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$16.3x + 18.4 + (-5.9x) - 18.4 = -7.5x + 17.3 - 18.4$$

$$16.3x + (-5.9x) = -7.5x - 1.1$$

$$11.3x = -7.5x - 1.1$$

$$\frac{18.8x}{18.8} = \frac{-11}{18.8}$$

$$x = -0.585$$

Unit 18 Review of Linear Equations – Form C

DOST

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.

Contn. Prd. 3

1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ \hline y = -\frac{5}{8} \end{array}$$

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} = -11$$

$$x = 33$$

2011

2012

3) Solve for x:

$$\frac{3x}{3} + 2x = \frac{12}{3}$$

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

$$x = 4.2$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$ \begin{array}{r} 6y + (-3) = 2 + 2y \\ \cancel{+6y} \qquad \qquad \qquad \cancel{+6y} \\ -3 = 2 + 8y \\ \underline{-2} \quad \underline{-2} \\ -5 = 8y \\ \frac{-5}{8} = \frac{8y}{8} \\ y = -0.625 \end{array} $	<p>SUB. $6y$ FROM BOTH SIDES.</p> <p>SUB. 2 FROM BOTH SIDES</p> <p>DIVIDE BOTH SIDES BY 8</p> <p>$y = -0.625$</p>

5) Solve for y:

$$\begin{aligned}
 8 + (-5y) &= -1 + 4y \\
 8 &= -1 + 9y \\
 9 &= 9y \\
 y &= 1
 \end{aligned}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$ \begin{aligned} -4.8x + 3.2 &= 8.9 + 2.5x \\ +4.8x & \quad +4.8x \\ 3.2 &= 8.9 + 7.3x \\ -8.9 & \quad -8.9 \\ -6.3 &= 7.3x \\ \frac{-6.3}{7.3} &= \frac{7.3x}{7.3} \\ x &= -0.86301 \end{aligned} $	<p>SAME.</p>

7) Solve for x :

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

8) Solve for y :

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

POST

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.

(en. hw. Prd. - 3

1) Solve for y

$$6 + 8y = 1$$

$$y = -13$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

$$x = 2 + 1$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $6y - 3 = 2 + 2y$ $3y = 2 + 2y$ $3 \times 2 = 6 / 2 + 2 \times 2 = 6$ $y = 2$	<p>$y = 2$, is the answer I got. You have to subtract 3 from $6y$, that equals $3y$. Then I tried 3×2, which is 6. Therefore I did $2 + 2 \times 2 = 6$. They both got the same number with y being 2.</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$3y = -1 + 4y$$

$$3y = 3y$$

$$y = 1$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$	

7) Solve for x :

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

8) Solve for y :

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

$$\frac{12x}{2} = -3x$$

$$6x = -3x$$

$$x = 3$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

Post

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

$$6 + 8y = 1$$

$$\begin{array}{r} 8y + 6 = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ \frac{8y}{8} = \frac{-5}{8} \end{array}$$

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -4 \quad -4 \\ \hline \frac{x}{-3} = -11 \end{array}$$

$$\frac{x}{-3} = -11$$

$$\frac{x}{-3} \cdot -3 = -11 \cdot -3$$

$$x = 33$$

Unit 18 Form C

3) Solve for x:

$$3x + 2x = 12$$

$$3x + 2x = 12$$

$$5x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $6y + (-3) = 2 + 2y$ $\quad \quad \quad -(-3) \quad \quad -(-3)$ <hr/> $6y = 2y + 5$ $6y = 2y + 5$ $-2y \quad \quad \quad -2y$ <hr/> $4y = 5$ $\frac{4y}{4} = \frac{5}{4}$ $y = 1.25$	<p>original problem</p> <p>Subtract -3 from both sides.</p> <p>subtract 2y from both sides.</p> <p>divide both sides by 4</p> <p>answer</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 + (-5y) = -1 + 4y$$

$$-5y - 4y = -9$$

$$-5y = 4y - 9$$

$$-4y - 4y = -9$$

$$-9y = -9$$

$$y = 1$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$	original problem
$-4.8x + 3.2 = 8.9 + 2.5x$	
$-3.2 - 3.2$	Subtract 3.2 from both sides
$-4.8x = 5.7 + 2.5x$	
$-4.8x = 5.7 + 2.5x$	
$-2.5x - 2.5x$	Subtract 2.5x from both sides
$-7.3x = 5.7$	
$-7.3x = 5.7$	
$-7.3 - 7.3$	Divide -7.3 from both sides
$x = -0.780821917$	Answer

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$\begin{array}{r} -7.4 + 17.3x = 8.1x + (-24.6) \\ -(-7.4) \quad \quad -(-7.4) \\ \hline \end{array}$$

$$17.3x = 8.1x + (-17.2)$$

$$17.3x = 8.1x + (-17.2)$$

$$-8.1x \quad -8.1x$$

$$9.2x = -17.2$$

$$\begin{array}{r} 9.2x = -17.2 \\ \hline 9.2 \quad 9.2 \end{array}$$

$$x = -1.869562517$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y + (-4.2) \\ y + 9.9 = -6.3y + (-4.2) \\ -9.9 \quad \quad -9.9 \\ \hline \end{array}$	original problem
$\begin{array}{r} y = -6.3y + (-14.1) \\ y = -6.3y + (-14.1) \\ -(-6.3y) \quad -(-6.3y) \\ \hline \end{array}$	Subtract 9.9 from both sides
$\begin{array}{r} 7.3y = -14.1 \\ 7.3y = -14.1 \\ \hline 7.3 \quad 7.3 \end{array}$	Subtract $-6.3y$ from both sides
$y = -1.931506849$	divide both sides by 7.3
	Answer

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$\frac{7x+5}{2 \cdot 2} = -3x \cdot 2$$

$$7x+5 = -6x$$

$$\begin{array}{r} 7x+5 = -6x \\ -7x \quad -7x \end{array}$$

$$5 = -13x$$

$$\frac{5}{-13} = \frac{-13x}{-13}$$

$$-0.38461538 = x$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$\begin{array}{r} 16.3x + 18.4 + (-5.9x) = -7.5x + 17.3 \\ -18.4 \quad -18.4 \end{array}$$

$$10.4x = -7.5x + -1.1$$

$$\begin{array}{r} 10.4x = -7.5x + -1.1 \\ -(-7.5) \quad -(-7.5) \end{array}$$

$$17.9x = -1.1$$

$$\frac{17.9x}{17.9} = \frac{-1.1}{17.9}$$

$$x = -0.061452513$$

Unit 18 Review of Linear Equations – Form C

Post

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.

(onlv. Prd. 3)

1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \end{array}$$

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

$$y = (-0.625)$$

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -4 \quad -4 \end{array}$$

$$\frac{x}{-3} = -11 \rightarrow \frac{x}{-3} \cdot 3 = -11 \cdot 3 \rightarrow \frac{-3x}{-3} = \frac{33}{-3}$$

$$x = 11$$

3) Solve for x:

$$3x + 2x = 12$$

$$\begin{array}{r} \downarrow \\ \cancel{5}x = 12 \\ \hline \cancel{5} \quad 5 \end{array}$$

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y - 3 = 2 + 2y$	① I re-wrote the problem, changing $6y + (-3)$ into $6y - 3$
$6y = 5 + 2y$	② I added 3 to both sides to get y by itself
$4y = 5$	③ I subtracted $2y$ from both sides to get both y's on one side
$\frac{4y}{4} = \frac{5}{4}$	④ I divided both sides by 4
$y = 1.25$	⑤ I got my answer

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 - 5y = -1 + 4y$$

$$5y = -9 + 4y$$

$$1y = -9$$

$$\frac{1y}{1} = \frac{-9}{1} \longrightarrow y = -9$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$	① I re-wrote the problem problem
$-4.8x = 5.7 + 2.5x$	② I subtracted 3.2 from both sides
$-7.3x = 5.7$	③ I subtracted 2.5x from both sides
$\frac{-7.3x}{-7.3} = \frac{5.7}{-7.3}$	④ I divided both sides by -7.3
$x = -0.7808$	⑤ I got my answer

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$-7.4 + 17.3x = 8.1x - 24.6$$

↓

$$17.3x = 8.1x - 32$$

↓

$$9.2x = -32$$

↓

$$\frac{9.2x}{9.2} = \frac{-32}{9.2}$$

→

$$x = -3.4783$$

8) Solve for y:

$$1y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$1y + 9.9 = -6.3y - 4.2$	① I recopied the problem, adding a 1 in front of the y.
$1y = -6.3y - 14.1$	② I subtracted 9.9 from both sides
$7.3y = -14.1$	③ I added 6.3y to both sides
$\frac{7.3y}{7.3} = \frac{-14.1}{7.3}$	④ I divided both sides by 7.3
$y = 1.9315$	⑤ I got my answer

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$3.5x + 2.5 = -3x$$

↓

$$3.5x = -3x - 2.5$$

↓

$$6.5x = -2.5$$

↓

$$\frac{6.5x}{6.5} = \frac{-2.5}{6.5}$$

→

$$x = -0.3846$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$\cancel{16.3x} + 18.4 - \cancel{5.9x} = -7.5x + 17.3$$

↓

$$10.4x + 18.4 = -7.5x + 17.3$$

↓

$$10.4x = -7.5x - 1.1$$

↓

$$17.9x = -1.1$$

↓

$$\frac{17.9x}{17.9} = \frac{-1.1}{17.9}$$

→

$$x =$$

$$-0.06145$$

Unit 18 Form C

Unit 18 Review of Linear Equations – Form C

Post

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. Ard. 3

1) Solve for y

$$6 + 8y = 1$$

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$x = 33$$

423

... ..

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$\begin{array}{r} 6y + (-3) = 2 + 2y \\ \underline{-2y} \\ 8y + (-3) = 2 \\ \underline{+3} \end{array}$ $8y = -1$ $y = -8$	<p>I just combined all of my like terms then divided to get my answer.</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$\begin{array}{r} 7 \text{ } 14 \\ 8 + -14 = -1 \\ \hline -14 = -7 \\ \hline y = -7 \end{array}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$\begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ + 2.5x \\ \hline -2.3x + 3.2 = 8.9 \\ \quad + 3.2 \\ \hline \quad 12.1 \end{array}$ $-2.3x = 12.1$ $x = 5.26$	<p>I combined like terms the divided to get my answer.</p>

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$+ \frac{-7.4}{-7.4}$$

$$17.3x = 8.1x + -32$$

$$+ \frac{8.1x}{-8.1x}$$

$$25.4x = -32$$

$$x = -1.25$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$y + 9.9 = -6.3y + (-4.2)$ $+ \frac{9.9}{9.9}$ $y = -6.3y + 5.7$ $+ \frac{6.3y}{6.3y}$ $7.3y = 5.7$ $y = 1.28$	<p>combined like terms the divided.</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$\frac{5}{2} = 4x$$

$$x = .625$$

~~x = .625~~

~~x = .625~~

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$7.5x$$

$$16.3x + 18.4 + 1.6x = 17.3$$

$$16.3x$$

$$18.4 + 17.9 = 17.3$$

$$17.9x = 35.7$$

$$x = 1.99$$

Unit 18 Review of Linear Equations – Form C

DOST

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.

Contno. fol. 3

1) Solve for y

$$\cancel{6} + 8y = 1$$

$$\cancel{8}y = -\frac{5}{8}$$

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7 - 4$$

$$\cancel{-3} \cdot \frac{x}{\cancel{-3}} = -11 \cdot -3$$

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$ \begin{array}{r} 6y + (-3) = 2 + 2y \\ -2y \qquad \qquad -2y \\ \hline 4y + (-3) = 2 \\ -3 \qquad \qquad -3 \\ \hline 4y = 5 \\ \frac{4y}{4} = \frac{5}{4} \\ y = 1.25 \end{array} $	<p>subtracted $2y$ to combine like terms. then I subtracted -3 from both sides. then I divided by 4 to get the answer of 1.25</p>

5) Solve for y:

$$\begin{aligned}
 8 + (-5y) &= -1 + 4y \\
 8 + -9y &= -1 - 8 \\
 -9y &= -9 \\
 y &= 1
 \end{aligned}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$ \begin{aligned} -4.8x + 3.2 &= 8.9 + 2.5x \\ -2.5x & \quad -2.5x \\ -7.3x + 3.2 &= 8.9 \\ -3.2 & \quad -3.2 \\ -7.3x &= 5.7 \\ -7.3 & \quad -7.3 \\ x &= -0.78082 \end{aligned} $	<p>I subtracted $2.5x$ from both sides to combine like terms. Then I subtracted 3.2 from both sides. Then I divided by -7.3 to get my answer.</p>

7) Solve for x:

$$\begin{aligned}
 -7.4 + 17.3x &= 8.1x + (-24.6) \\
 -8.1x & \quad -8.1x \\
 -2.4 + 9.2x &= -24.6 \\
 +2.4 & \quad +2.4 \\
 9.2x &= -17.2 \\
 \frac{9.2x}{9.2} &= \frac{-17.2}{9.2} \\
 x &= -1.8695
 \end{aligned}$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$ \begin{aligned} y + 9.9 &= -6.3y + (-4.2) \\ +6.3y & \quad +6.3y \\ 7.3y + 9.9 &= -4.2 \\ -9.9 & \quad -9.9 \\ 7.3y &= -14.1 \\ \frac{7.3y}{7.3} &= \frac{-14.1}{7.3} \\ y &= -1.93150 \end{aligned} $	<p>I subtracted added 6.3y to both sides. then I subtracted 9.9 from both sides. Then I divided by 7.3 to get my answer.</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$\frac{10x+5}{2} = -0.5$$

$$2 \cdot \frac{10x}{2} = -5 \cdot 2$$

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

$$x = -1$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

Post

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

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -5 \end{array}$$

$$y = -1.4$$

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -3 \quad -4 \quad -4 \end{array}$$

$$\begin{array}{r} x \\ -3 \end{array} \frac{x}{-3} = -11$$
$$x = 33$$

100

100

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

$$y = 2$$

Show your work here	For each step, explain why

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$y = 5.7$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

$$x = -1.2745$$

Show your work here	For each step, explain why

7) Solve for x :

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$x = 2.795$$

8) Solve for y :

$$y + 9.9 = -6.3y + (-4.2)$$

$$y = .00169$$

Show your work here	For each step, explain why

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

$$x = -21$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$x = 2.7957$$

Unit 18 Review of Linear Equations – Form C

Page

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.

Contno. Prd. 3

1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ \hline y = -\frac{5}{8} \end{array}$$

$$\boxed{y = -0.625}$$

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -3 \quad -4 \quad -4 \\ (-3) \cdot \frac{x}{-3} = -11(-3) \\ \hline \boxed{x = 33} \end{array}$$

11/11/11

11/11/11

3) Solve for x:

$$3x + 2x = 12$$

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

$$\boxed{2.4 = x}$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $\frac{6y}{6} = \frac{-1}{6}$ $\boxed{y = -0.125}$	<p>I took and added like terms and got $8y = -1$ then divided by 8 and got my answer of $-0.125 = y$.</p>

5) Solve for y:

$$\begin{array}{r}
 8 + (-5y) = -1 + 4y \\
 \underline{15y} \quad \underline{15y} \\
 8 = -1 + 9y \\
 \quad \quad +1 \\
 \underline{1} \quad \quad \underline{1} \\
 9 = 9y \\
 \quad \quad \underline{9} \quad \underline{9}
 \end{array}$$

$$y = 1$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$ \begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ \underline{-3.2} \quad \underline{-3.2} \\ -4.8x = 5.7 + 2.5x \\ \underline{-2.5x} \quad \underline{-2.5x} \\ -2.3x = 5.7 \\ \underline{2.3x} \quad \underline{2.3} \\ -2.3 = 5.7 \\ \underline{2.3} \quad \underline{2.3} \\ -2.3 = 5.7 \end{array} $ $x = 2.4783$	<p>I added like terms and got 4.3 $2.3x = 5.7$ and divided by 2.3 and got my answer of $2.4783 = x$ I rounded the decimal.</p>

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$-8.1x = -17.2$$

$$\frac{9.2x}{9.2} = \frac{-17.2}{9.2}$$

$$x = -1.8696$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$ \begin{array}{r} y + 9.9 = -6.3y + (-4.2) \\ +6.3y \quad +6.3y \\ \hline 7.3y + 14.1 \\ 7.3 \quad 7.3 \\ \hline y = 1.93151 \end{array} $	<p>I added like terms and got $7.3y + 14.1$ and divided by 7.3 and got my answer of $1.93151 \approx 1.93$. I rounded my decimal.</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$\begin{array}{r} 14x + 10 = -3x \\ \hline 17x = -10 \end{array}$$

$$\frac{10}{10} = \frac{-17}{10} x$$

$$\boxed{-1.7 = x}$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$16.3x + 18.4 - 5.9x = -7.5x + 17.3$$

$$10.4x + 18.4 = -7.5x + 17.3$$

$$\frac{17.9x}{17.9} = \frac{-1.1}{17.9}$$

$$\boxed{-0.061453}$$

Unit 18 Review of Linear Equations – Form C

Post

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.

(enho. frd. 3

1) Solve for y

$$6 + 8y = 1$$

$$\frac{8y}{8} = \frac{1-6}{8}$$

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} = -11$$

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$\begin{array}{r} 6y - 3 = 2 + 2y \\ -2y \quad -2 \\ \hline 4y - 3 = 2 \\ 4y = 5 \\ y = \frac{5}{4} \end{array}$	<p>I subtracted -3 and $-2y$ from both sides.</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$\begin{array}{r} 8 + (-5y) = -1 + 4y \\ -5y - 4y = -1 - 8 \\ -9y = -9 \\ y = 1 \end{array}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$\begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ -3.2 \quad -3.2 \\ \hline -4.8x - 5.7 = 8.9 + 2.5x \\ -2.5x \quad -2.5x \\ \hline -4.8x - 5.7 = 8.9 - 2.5x - 2.5x \\ -4.8x - 5.7 = 8.9 - 5.0x \end{array}$	<p>I subtracted 3.2 from both sides to isolate the variable term.</p> <p>I subtracted 2.5x from both sides to isolate the variable term.</p>

7) Solve for x:

$$\cancel{-7.4} + 17.3x = 8.1x + \cancel{(-24.6)}$$

~~-7.4~~

~~-24.6~~

$$17.3x = 8.1x$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$\begin{array}{r} \cancel{4.9} + \cancel{9.9} = \cancel{-6.3}y + \cancel{(-4.2)} \\ \cancel{-9.9} \quad \quad \quad \cancel{-9.9} \\ \hline 4 = -6.3y - 14.1 \\ \hline \end{array}$	<p>I subtracted 9.9 and then subtracted 14.1</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$\begin{array}{r} 3.5x + 2.5 = -3x \\ -2.5 \\ \hline 6.5x = -2.5 \end{array}$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$\begin{array}{r} 10.4x + 18.4 = -7.5x + 17.3 \\ -18.4 \quad -17.3 \\ \hline 10.4x = -7.5x \end{array}$$

Unit 18 Review of Linear Equations – Form C

Post

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.

Contro. Prd. 3

1) Solve for y

$$6 + 8y = 1$$

$$6 - 6 + 8y = 1 - 6$$

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

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} + 4 - 4 = -7 - 4$$

$$\frac{x}{-3} = -11$$

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

$$3x + 2x = 12$$

$$5x = 12$$

$$3x = 36$$

$$x = 2$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) - (-3) = 2 + 2y - 2$ $0 = 2$ $\frac{0}{2} = \frac{2}{2}$	<p>Sub 3 then divided by 2 get 0</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 - 8 = -1 + 4y - 8$$

$$-5y = -9$$

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

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 - 3.2 = 8.9 + 2.5x - 3.2$ $-4.8x = 5.7 + 2.5x$ $-4.8x - 2.5x = 5.7 + 2.5x - 2.5x$ $-7.3x = 5.7$ $x = \frac{5.7}{-7.3}$ $x = -2.3$	<p>Subtract 3.2 from both sides</p> <p>Subtract 2.5x from both sides</p> <p>Combine like terms</p> <p>Divide both sides by -7.3</p>

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$-7.4 - 7.4 + 17.3x = 8.1x + (-24.6) - 7.4$$

$$x = 2.54$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$y + 9.9 = -6.3y + (-4.2)$ $-6.3y$	<p>sub -4.2 to y</p> <p>add 9.9 to both sides</p> <p>add 6.3y to both sides</p> <p>10.5y = -14.1</p> <p>divide by 10.5</p> <p>answer</p>

9) Solve for x:

$$\frac{7x+5}{2} = -3x$$

$$7x + 5 = -6x$$

$$x = -10$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$16.3x + 18.4 - 5.9x = -7.5x + 17.3$$

$$x = 2.7$$

Unit 18 Review of Linear Equations – Form C

Post

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.

Conk. Prd. 3

1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \end{array}$$

$$\begin{array}{r} 8y = -5 \\ \hline y = -\frac{5}{8} \end{array}$$

$$y = -0.625$$

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -3 \quad -4 \end{array}$$

$$\times \frac{x}{-3} = -11 \times$$

$$\begin{array}{r} -3 = -11x \\ \hline 11 \quad 11 \end{array}$$

$$x = 0.27$$

3) Solve for x:

$$3x + 2x = 12$$

$$\frac{6x}{6} = \frac{12}{6}$$

$$x = 2$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $\underline{-2y} \quad \quad \quad -2y$ $4y + (-3) = 2$ $\quad \quad \quad -3 \quad \quad -3$ $4y = -1$ $\frac{4y}{4} = \frac{-1}{4}$ $y = -0.25$	<ul style="list-style-type: none"> - Rewrite problem - Subtract $2y$ from both sides - Subtracted 3 from each side - divided 4 from both sides - got my answer

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$8 - 9y = -1$$

$$8 - 9y = -1$$

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

$$y = -1$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$ $\underline{-2.5x} \qquad \underline{-2.5x}$ $-7.3x + 3.2 = 8.9$ $\underline{-3.2} \quad \underline{-3.2}$ $-7.3x = 5.7$ $\frac{-7.3x}{7.3} = \frac{5.7}{7.3}$ $x = 0.780821917$	<ul style="list-style-type: none"> - rearrange problem - subtract 2.5x from both sides - subtract 3.2 from both sides - divide both sides by 7.3 - Got my answer

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$-8.1x \quad -8.1x$$

$$\begin{array}{r} -7.4 + 9.2x = (-24.6) \\ + 7.4 \quad \quad \quad + 7.4 \end{array}$$

$$\begin{array}{r} 9.2x = -17.2 \\ \hline 9.2 \quad 9.2 \end{array}$$

$$x = -1.869565217$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y + (-4.2) \\ + 6.3y \quad + 6.3y \\ \hline 7.3y + 9.9 = -4.2 \\ - 9.9 \quad - 9.9 \\ \hline 7.3y = -14.1 \\ \hline 7.3 \quad 7.3 \\ \hline y = -1.931506849 \end{array}$	<ul style="list-style-type: none"> - rearrange equation - added 6.3y to both sides - subtracted 9.9 from both sides - divided 7.3 to both sides - got my answer

9) Solve for x:

$$\frac{-7x+5}{2} = -3x$$

$$\frac{10x+5}{2} = -5$$

$$\frac{10x}{2} = -10$$

$$\frac{10}{2} = \frac{-3x}{3}$$

$$x = 3.33$$

10) Solve for x:

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$2.9x + 18.4 = 17.3$$

$$\frac{2.9x}{2.9} = \frac{-1.1}{2.9}$$

$$x = -0.3793103448$$

$$\frac{16.3x}{16.3x} = \frac{7.5x}{2.9x}$$

Unit 18 Review of Linear Equations – Form C

Q05T

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.

Concl. Prod. 3

1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 -8 \\ \hline 2 + y = -5 \\ -2 -1 \\ \hline y = -7 \end{array}$$

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -3 -3 \\ \hline x + 1 = -21 \\ -1 -1 \\ \hline x = -22 \end{array}$$

2020

2020

3) Solve for x:

$$3x + 2x = 12$$

$$x = 5$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$\begin{array}{l} 6y + (-3) = 2 + 2y \\ 8y + (-3) = 2 \\ \quad \quad \quad -3 \quad -3 \\ \hline y = 8 \end{array}$	<p>combined the like terms</p> <p>6x and 2x then do the parenthesis and get what x equals</p>

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$\begin{array}{r} 1y + 8 = -1 \\ -1 \\ \hline y = 7 \end{array}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why
$\begin{array}{r} 2.13x + 3.2 = 8.9 \\ 3.2 \quad 3.2 \\ \hline 2.13x + 11.1 \\ 11.1 \quad 11.1 \\ \hline x = 1.13 \end{array}$	<p>Combined like terms then took then 8.9 and 3.2 then added then found y</p>

7) Solve for x:

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$25.1x + -7.4 + (-24.6)$$

$$-7.4 - 24.6$$

$$25.1x = 17.2$$

$$x = 25$$

8) Solve for y:

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$-6.3y + 9.9 + (-9.9)$ $y = 10.12$	<p>combined like terms and then took the non like terms and then added them</p>

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

POST

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.

Contn. Prob. 3

1) Solve for y

$$6 + 8y = 1$$

$$6 - 6 + 8y = 1 - 6$$

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

$$y = -.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$\frac{x}{-3} + 4 - 4 = -7 - 4$$

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

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

$$x = 9$$

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

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

$$x = 2.4$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why
$4y + (-3) = 2$ $4y + (-3) - (-3) = 2 - (-3)$ $4y = 5$ $y = 1.25$	

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$\begin{aligned} 8 - 5y &= -1 + 4y \\ 8 - 5y &= -1 + 4y \\ 1 &= 9y \\ 1 &= 7 \end{aligned}$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why

7) Solve for x :

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

8) Solve for y :

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

Unit 18 Review of Linear Equations – Form C

Post

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.

Contn. frd. 3

1) Solve for y

$$6 + 8y = 1$$

$$6 - 6 + 8y = 1 - 6$$

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

$$y = -0.625$$

2) Solve for x:

$$\frac{x}{-3} + 4 = -7$$

$$x = -27$$

3) Solve for x:

$$3x + 2x = 12$$

$$\begin{array}{r} 5x = 12 \\ \underline{5} \quad \underline{5} \\ x = 2.4 \end{array}$$

4) Solve for y:

$$6y + (-3) = 2 + 2y$$

Show your work here	For each step, explain why

5) Solve for y:

$$8 + (-5y) = -1 + 4y$$

$$x = y$$

6) Solve for x:

$$-4.8x + 3.2 = 8.9 + 2.5x$$

Show your work here	For each step, explain why

7) Solve for x :

$$-7.4 + 17.3x = 8.1x + (-24.6)$$

$$x = .4$$

8) Solve for y :

$$y + 9.9 = -6.3y + (-4.2)$$

Show your work here	For each step, explain why
$y = -1.7$	y

9) Solve for x :

$$\frac{7x+5}{2} = -3x$$

$$x = -3$$

10) Solve for x :

$$16.3x + 18.4 + (-5.9x) = -7.5x + 17.3$$

$$10.4x + 18.4 = -7.5x + 17.3$$

$$x = 5$$