

POST



rju8f7v

Enrich - Prod - 1

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

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

$$5y = -5$$

$$y = -1$$

2) Solve for x:

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

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

$$x = -50$$

3) Solve for x:

$$\begin{array}{r} 4x + 8x = 9 \\ -4 \quad -4 \end{array}$$

$$x + 8x = 5$$

$$\begin{array}{r} 9x = 5 \\ -5 \quad -5 \end{array}$$

$$x = 4$$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 3y + (-8) = 5 + 4y \\ +8 \quad +8 \quad -4 \quad -4 \\ 11y = 1y \\ \hline 12y \end{array}$	<p>copy to see problem better</p> <p>do opposites to get sub patterns.</p> <p>Answers</p> <p>final Answer</p>

5) Solve for y:

$$\begin{array}{ccccccc} 6 & + & (-7y) & = & -1 & + & 2y \\ -6 & -6 & +1 & +1 & & & \end{array}$$

$$-13y = 3y$$

$$\textcircled{-10y}$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{ccccccc} -4.1 & -4.1 & -12.8 & -12.8 \\ -7.3x & & -6.4x & & & & \end{array}$ $\textcircled{-13.7}$	<p>→ Subtract from both sides</p> <p>— Answers</p> <p>— final Answer</p>

7) Solve for x:

$$\begin{array}{ccccccc} -2.8 & + & 5.1x & = & 11.8x & + & (-3.4) \\ +2.8 & +2.8 & & & & & +3.4 \end{array}$$

$$7.9 = 15.2x$$

$$\frac{7.9}{15.2} = \frac{15.2x}{15.2}$$

$$0.52x = 0.52$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{l} -12.3 -12.3 = +9.2 +9.2 \\ -11.3y = 5.1y \\ -6.2y \end{array}$	<p>— Add/subtract both sides</p> <p>— Answers</p> <p>— final Answer</p>

9) Solve for x:

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

$$\begin{array}{r} 0.33\bar{3} \\ \times 3 \\ \hline -3 \end{array} = -9x$$
$$= \frac{0.33\bar{3}}{-12x}$$

10) Solve for x:

$$14.1x + 19.1 + (-8.2x) = -6.2x + 12.8$$
$$\begin{array}{r} -19.1 \\ 14.1x \\ -19.1 \\ -8.2x \\ \hline -12.8 \end{array}$$

$$(-5) + (-27.3x) = -19x$$

$$-32.3x = -19x$$

$$\begin{array}{r} \diagup \quad \diagdown \\ -51.3x \end{array}$$

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x3A11ty

Zvlouch - Prd. 1

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:

$$7 + 5y = 2$$

$$\begin{aligned} &\rightarrow -7 \\ &5y = -5 \\ &y = -1 \end{aligned}$$

2) Solve for x:

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

3) Solve for x :

$$4x + 8x = 9$$

$$12x = 9$$

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 :

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



Post

59v7i97

EVbarch - pvd.1

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:

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

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

$$y = -1$$

2) Solve for x:

$$\frac{x}{-5} + 8 = -2$$
$$\begin{array}{r} -8 \\ \hline -5 \end{array}$$

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

$$x = -50$$

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
$\begin{array}{r} 3y + -8 = 5 \\ -8 \quad -8 \end{array}$ $\frac{3y}{3} = \frac{13}{3}$ $y = 0.538$	

5) Solve for y:

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

$$\begin{array}{r} 6 + (-7y) = -1 \\ -6 \quad \quad -6 \end{array}$$

$$\begin{array}{r} -7y \quad -7 \\ \hline -9 \end{array}$$

$$y = 0.77$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -3.2x + 4.1 = 12.8 \\ -4.1 \quad -4.1 \end{array}$ $\begin{array}{r} -3.2x \quad 8.7 \\ \hline -9.6 \quad 9.6 \end{array}$ $x = -0.906$	

7) Solve for x:

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

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

$$\begin{array}{r} -2.8 \qquad \qquad \qquad -2.8 \\ \hline \end{array}$$

$$\begin{array}{r} 16.9x \quad -6.2 \\ \hline 16.9 \quad 16.9 \end{array}$$

$$x = -0.366$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 12.3 = 4.1y + -9.2 \\ -9.2 \\ \hline 3.1 = -4.1y \\ \hline -4.1 \quad -4.1 \\ \hline -0.756 \end{array}$	

9) Solve for x:

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

$$\frac{16x}{3} = -9x$$

10) Solve for x:

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

$$?$$

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jrba152

Evkovich - Pvd. 1

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

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

$$5y = -5$$

$$y = -1$$

2) Solve for x:

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

3) Solve for x:

$$4x + 8x = 9$$

$$\begin{array}{r} -9 \quad -9 \\ \hline -5 \end{array}$$

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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MYmjG5R

Evkovich - Prd. 1

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

$$\begin{aligned} 7 + 5y &= 2 \\ \frac{7 + 5y}{5} &= \frac{2}{5} \\ 2y &= 2 \quad \leftarrow 2 \times 1 = 2 \\ y &= 1 \end{aligned}$$

2) Solve for x:

$$\begin{aligned} \frac{x}{-5} + 8 &= -2 \\ 8 \div -5 &= x \end{aligned}$$

$$x = -1.6$$

3) Solve for x:

$$4x + 8x = 9$$

$$12x = 9$$

$$x = 1.33333333$$

4) Solve for y:

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

$$-8 = 5 + y$$

$$5y = -8$$

$$y = -1.6$$

Show your work here	For each step, explain why

5) Solve for y:

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

$$6 = -1 + -9y$$

$$y = -1.5$$

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 :

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

POST



7gi78ec

Evkovich. Pid. 1

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

$$7 + 5y = 2$$

$$\therefore 5y = 2 - 7$$

$$5y = -5 \quad y = -1$$
$$\frac{5y}{5} = \frac{-5}{5}$$

2) Solve for x:

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

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

3) Solve for x:

$$4x + 8x = 9$$

?

4) Solve for y:

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

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

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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7BJfpoV

Elkovich, Prod. 1

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

$$7 + 5y = 2$$

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

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

2) Solve for x:

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

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

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

$$x = 50$$

3) Solve for x:

$$4x + 8x = 9$$

$$12x = 9$$

$$12x = 9$$

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

$$x = \frac{3}{4}$$

4) Solve for y:

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

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$	subtract $3y$ from both sides
$-8 = 5 + 4y - 3y$	simplify
$-8 - 5 = 5 - 5 + y$	Subtract 5 from both sides
$-13 = y$	Simplify

5) Solve for y:

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

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

$$7 = 9y$$

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

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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C76m01z

Evkovich. Prod. 1

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

$$-7 + 5y = 2$$

$$7 = -3$$

$$y = 2.444$$

$$\begin{array}{r} 24 \\ 3 \overline{) 72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

2) Solve for x:

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

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

$$x = -30$$

3) Solve for x:

$$4x + 8x = 9$$

$$\begin{array}{r} 12x = 9 \\ \hline 12 \quad 12 \end{array}$$

~~12x = 9~~
 $x = 1.878$

$$\begin{array}{r} 1.8 \\ 9 \overline{) 12} \\ \underline{-9} \\ 30 \\ \underline{-36} \\ 3 \end{array}$$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 3y + (-8) = 5 + 4y \\ +8 \quad -8 \\ \hline 3y = -13 + 4y \end{array}$	

5) Solve for y:

$$\underset{-6}{9} + \underset{-6}{(-7y)} = -1 + 2y$$

$$-7y = 7 + 2y$$

6) Solve for x:

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

$$\begin{array}{r} 12.8 \\ -4.1 \\ \hline 8.7 \end{array}$$

Show your work here	For each step, explain why
$\begin{array}{r} -3.2x + 4.1 = 12.8 + 6.4x \\ \quad \quad \quad -4.1 \quad -4.1 \\ \hline -3.2x = 8.7 + 6.4x \\ \quad \quad \quad -3.2x \quad \quad \quad -3.2x \\ \hline 8.7 + -2x \end{array}$	

$$\begin{array}{r} 2 \\ -3.1 \\ -2.8 \\ \hline .6 \\ 11.8 \\ \hline 5.1 \end{array}$$

7) Solve for x:

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

$$\begin{array}{r} -2.8 \\ -2.8 \end{array} \quad \begin{array}{r} -2.8 \\ -2.8 \end{array}$$

$$\begin{array}{r} 5.1x = 11.8x + .6 \\ \hline 5.1 \quad 5.1 \end{array}$$

~~AND~~

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 :

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

Post



0I891Gg

Eulovich. Prod. 1

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 :

$$7 + 5y = 2$$

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

$$5y = -5$$

$$y = -1$$

2) Solve for x :

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

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

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

$$x = 50$$

3) Solve for x:

$$4x + 8x = 9$$

$$4x = 9$$
$$x = 2.25$$

4) Solve for y:

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

Show your work here	For each step, explain why
$3y + (-8) = 5 + 4y$ $-8 = 5 + 1y$ $-13 = 1y$ $-13 = y$	<p>I subtracted $4y - 3y$ & got $1y$. Then I had -8 on the left side $= 5 + 1y$ then I subtracted 5 from both sides and got $-13 = y$</p>

5) Solve for y:

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

~~$6 + (-7y) = -1 + 2y$~~
 ~~$6 - 7y = -1 + 2y$~~
 ~~$-7y = -1 + 2y - 6$~~
 ~~$-7y = -7 + 2y$~~
 ~~$-7y - 2y = -7 + 2y - 2y$~~
 ~~$-9y = -7$~~
 ~~$y = \frac{-7}{-9}$~~
 ~~$y = \frac{7}{9}$~~
 $x =$

$$6 + 9y = -1$$

$$9y = -7$$

$$y = -\frac{7}{9} \approx -0.7777$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$ $4.1 = 12.8 + 3.2x$ $-8.7 = 3.2x$ $-2.71875 = x$	<p>I took $6.4x - 3.2x$ & got $3.2x$ then I had $4.1 = 12.8 + 3.2x$ then subtracted 12.8 from both sides then $-8.7 = 3.2x$ answer is -2.71875</p>

7) Solve for x:

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

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

$$-6.2 = 6.7x$$

$$-1.0806 = x$$

8) Solve for y:

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

Show your work here	For each step, explain why
$12.3 = -3.1y + (-9.2)$ $21.5 = -3.1y$ $-0.144 = y$	<p>Do $-4.1y - y$ got $-3.1y$ then added 9.2 to each side got $21.5 = -3.1y$ then my answer was $-0.144 = y$</p>

9) Solve for x:

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

$$\frac{12}{3} = -13x$$

$$4 = -13x$$

$$-325 = x$$

10) Solve for x:

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

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c71bRSy

Evlovich, Pd. 1

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:

$$7 + 5y = 2$$

$$\begin{array}{r} 7 + 5y = 2 \\ -7 \quad -7 \quad -5 \end{array}$$

$$\begin{array}{r} -5 \\ \hline 5 \end{array} \quad -1 = 4$$

2) Solve for x:

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

$$-2 - 8$$

$$\begin{array}{r} -10 \\ \hline -5 \end{array}$$

$$2 = x$$

3) Solve for x:

$$4x + 8x = 9$$

$$9 - 4 = 5$$

$$\frac{8}{5}$$

$$1.6 = x$$

4) Solve for y:

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

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

5) Solve for y:

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

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

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

$$6 +$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-3.2x + 4.1 = 12.8 + 6.4x$	

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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hop791a

erlovich.prd.1

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

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

2) Solve for x:

$$\begin{array}{r} \frac{x}{-5} + 8 = -2 \\ -8 \quad -8 \\ \hline \frac{x}{-5} = -10 \\ \frac{-5}{-5} \quad \frac{-5}{-5} \\ \hline x = 50 \end{array}$$

3) Solve for x:

$$4x + 8x = 9$$

with

$$\cancel{4x} + \cancel{8x} = \cancel{9}$$

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

$$x = .75$$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 3y + (-8) = 5 + 4y \\ \underline{-3y \quad -3y} \\ -8 = 5 + 1y \\ \underline{-5 \quad -5} \\ -13 = 1y \\ \underline{1 \quad 1} \\ y = -13 \end{array}$	<p>you have to get y on one side. To do that you have to add the y's together.</p> <p>Then whatever you do to one side you have to do to the other</p>

5) Solve for y:

$$\begin{array}{r}
 6 + (-7y) = -1 + 2y \\
 +7y \quad +7y \\
 \hline
 6 = -1 + 9y \\
 +1 \quad +1 \\
 \hline
 7 = 9y \\
 \frac{7}{9} = \frac{9y}{9} \\
 \frac{7}{9} = y
 \end{array}$$

$1.29 = y$

6) Solve for x:

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

Show your work here	For each step, explain why
$ \begin{array}{r} -3.2x + 4.1 = 12.8 + 6.4x \\ +3.2x \quad +3.2x \\ \hline 4.1 = 12.8 + 9.6x \\ -12.8 \quad -12.8 \\ \hline -8.7 = 9.6x \\ \frac{-8.7}{9.6} = \frac{9.6x}{9.6} \\ -0.90625 = x \end{array} $ <p>$-1.10 = x$</p>	<p>First move all x's to one side. Then you have to get x alone so what ever you do to one side you have to do to the other.</p>

7) Solve for x:

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

$$-5.1x - 5.1x$$

$$\begin{array}{r} -2.8 = 6.7x + (-3.4) \\ + 3.4 \quad \quad + 3.4 \\ \hline \end{array}$$

$$\begin{array}{r} -6 = 6.7x \\ \hline 6.7 \quad 6.7 \end{array}$$

$$\boxed{11.16 \approx x}$$

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 :

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

Post



35j112H

Erkovich.Prd.1

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 .

$$7x + 5y = 2$$

$$\begin{array}{r} -7x \\ \hline 5y = 2 \\ \hline y = \frac{2}{5} \end{array}$$



2) Solve for x:

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

3) Solve for x:

$$4x + 8x = 9$$

6

4) Solve for y:

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

Show your work here	For each step, explain why
$\frac{-3}{2}$ $7y$	

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
<p>Handwritten work for solving the equation $-3.2x + 4.1 = 12.8 + 6.4x$. The work shows the equation with terms moved and simplified to $18.5x$.</p>	

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 :

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

-3x

10) Solve for x :

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

Post



7LZr10z

Erhovich. Prid.1

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:

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

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

$$x = 50$$

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
$3y + (-8) = 5 + 4y$ $-8 \quad -8$ $3y = 13 + 4y$ $\frac{3y}{7} = \frac{13}{7}$ $y = 1.857142857$	<p>For each of my steps I add the opposite to get y alone.</p>

5) Solve for y:

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

$$\begin{array}{r} -6 \qquad \qquad -6 \end{array}$$

$$-7y = -7 + 2y$$

$$-2y$$

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

$$y = .777777$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -3.2x + 4.1 = 12.8 + 6.4x \\ -4.1 \quad -4.1 \end{array}$ $\begin{array}{r} -3.2x = 8.7 + 6.4x \\ -6.4 \quad -6.4x \end{array}$ $\frac{-9.6x}{-9.6} = \frac{8.7}{-9.6}$ $x = -0.90625$	<p>If I add opposites for all to get x to the side - side not get + alone</p>

7) Solve for x:

$$\begin{array}{rcl} -2.8 + 5.1x & = & 11.8x + (-3.4) \\ +2.8 & & +2.8 \end{array}$$

$$\begin{array}{rcl} 5.1x & = & 11.8x + -0.6 \\ -11.8x & & -11.8x \end{array}$$

$$\begin{array}{rcl} -6.7x & = & -0.6 \\ \hline -6.7 & & -6.7 \end{array}$$

$$x = 0.89552238$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{rcl} y + 12.3 & = & -4.1y + (-9.2) \\ -12.3 & & -12.3 \end{array}$ $\begin{array}{rcl} y & = & -4.1y + -21.5 \\ +4.1 & & +4.1 \end{array}$ $\begin{array}{rcl} 5.1y & = & -21.5 \\ \hline 5.1 & & 5.1 \end{array}$ $y = -4.215686275$	<p>I did opposite for all to get y by its self</p>

9) Solve for x:

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

$$4x + 12 = -27x$$

$$\begin{array}{r} - \\ 12 \\ \hline -31 \end{array} \quad \begin{array}{r} -27x \\ -31x \\ \hline \end{array}$$

$$x = -.387096774$$

10) Solve for x:

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

$$-19.1$$

$$-19.1$$

$$14.1x + (-8.2x) = -6.2x + -6.3$$

$$5.9x = -6.2x + -6.3$$

$$+6.2$$

$$\begin{array}{r} 12.1x = -6.3 \\ \hline 12.1 \quad 12.1 \end{array}$$

$$x = -.520661157$$

Post



F713eQN

Erkovich . Prod. 1

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 :

$$7 + 5y = 2$$

$$\rightarrow 7 - 7$$

$$\frac{-2y}{2} = \frac{-2}{2} \quad y = 1$$

2) Solve for x :

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

$$\times 5$$

$$\textcircled{X} \quad \begin{array}{r} 5 + 40 = -2 \\ -5 \quad -5 \end{array}$$

$$\begin{array}{r} 17 \\ 2 \overline{) 35} \\ \underline{2} \\ 15 \end{array}$$

$$\frac{35}{2} = \frac{-2}{2}$$

$$x = 17$$

3) Solve for x:

$$4x + 8x = 9$$

~~12~~

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

$4 = 1$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 12y + (-8) = 5 \\ +8 \quad +8 \end{array}$ $\begin{array}{r} 12y + 16 = 13 \\ -16 \end{array}$ $\begin{array}{r} 12y = -3 \\ \hline 3 \quad 3 \end{array}$ $y = -\frac{1}{4}$	<p>first i put the y's together than i added 8 to both sides than i subtracted 16 from both sides , and than divided by 3 and got $y = -\frac{1}{4}$</p>

5) Solve for y:

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

$$+7 \quad +$$

$$6 + 9y = -1$$

$$9y = 7$$

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

6) Solve for x:

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

$$\begin{array}{r} 3.2 \\ + 6.4 \\ \hline 9.6 \end{array}$$

Show your work here	For each step, explain why
$\begin{array}{r} 9.6x + 4.1 = 12.8 \\ - 4.1 \quad \frac{4.1}{8.7} \\ \hline 9.6x = 8.7 \\ \hline 8.7 \quad 8.7 \\ \hline 1.1 = x \end{array}$	<p>first i put the x's together than subtracted 4.1 from both sides ,than subtracted by 8.7</p>

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
$ \begin{array}{r} 5.1 + 12.3 + 4.1y - 9.2 \\ - 12.3 - 12.3 \\ \hline 5.1 + 3.1 \\ \hline 3.1 \quad 3.1 \\ \hline 2 = y \end{array} $	<p>first i put the y's together than i subtracted -12.3 than i subtracted 3.1</p>

9) Solve for x:

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

$$13x + 12 \div 3$$
$$-12 \quad -12$$

$$\frac{13x = 4}{4 \quad 4}$$

$$x = 9$$

10) Solve for x:

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

Post



NOD85nt

Enrichment-1

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.

$$7 + 5y = 2$$

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

2) Solve for x:

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

3) Solve for x:

$$4x + 8x = 9$$

~~$$4x + 8x = 9$$~~

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 :

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



Post

p4gBT00

Elkovich.Ird-1

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

$$\begin{aligned} 7 + 5y &= 2 \\ -7 & \quad -7 \\ \hline 5y &= -5 \\ \frac{5y}{5} &= \frac{-5}{5} \\ y &= -1 \end{aligned}$$

2) Solve for x:

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

3) Solve for x:

$$4x + 8x = 9$$

$$\cancel{-4x} \quad \cancel{-4x}$$

$$\frac{8x}{8} = \frac{9}{8}$$

$$x = 1.125$$

4) Solve for y:

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

Show your work here	For each step, explain why

5) Solve for y:

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

$$\begin{array}{r} -6 \quad 6 \quad +1 \quad +1 \\ \frac{1}{2} = \frac{2y}{2} \\ 1 = y \end{array}$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -3.2x + 4.1 = 12.8 + 6.4x \\ -12.8 \quad -12.8 \\ \hline 3.2x = 6.4 \\ \frac{3.2}{3.2} \quad \frac{6.4}{3.2} \\ x = 2 \end{array}$	

7) Solve for x:

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

$$\begin{array}{rcl} +2.8 & & +3.4 \\ 5.1x & = & 11.8 \\ \hline 5.1 & & 5.1 \end{array}$$

$$x = 2.25$$

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 :

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

Post



i0PeR6q

Evlorich. Prd. 1

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

$$7 + 5y = 2$$

$$-7 \quad -7$$

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

$$y = -1$$

2) Solve for x:

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

$$-5 \quad -8 \quad -8$$

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

$$-5x = -50$$

$$x = 50$$

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

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

Show your work here	For each step, explain why
$ \begin{array}{r} 3y + (-8) = 5 + 4y \\ -3y \quad \quad -3y \\ \hline -8 = 5 + 1y \\ -5 \quad -5 \\ \hline -13 = 1y \\ \frac{-13}{1} = \frac{1y}{1} \\ y = -13 \end{array} $	<p>① question & Subtract $3y$ from both sides</p> <p>② Subtract 5 from both sides</p> <p>③ divide by 1</p> <p>④ Solution</p>

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
$ \begin{array}{r} -3.2x + 4.1 = 12.8 + 6.4x \\ +3.2x \quad \quad \quad +3.2x \\ \hline 4.1 = 12.8 + 9.6x \\ -12.8 \quad -12.8 \\ \hline -8.7 = 9.6x \\ \frac{-8.7}{9.6} = \frac{9.6x}{9.6} \\ \\ x = \frac{-8.7}{9.6} \end{array} $	<p>① question 1 & add $3.2x$ to each side</p> <p>② subtract 12.8 from both sides</p> <p>③ divide</p>

7) Solve for x:

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

$$\cancel{-5.1x} - \cancel{5.1x}$$

$$\begin{array}{r} -2.8 = 6.7x + (-3.4) \\ +3.4 \quad \quad +3.4 \end{array}$$

$$\begin{array}{r} .6 = 6.7x \\ \hline 6.7 \quad 6.7 \end{array}$$

$$x = \frac{.6}{6.7}$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} \cancel{y} + 12.3 = -4.1y + (-9.2) \\ \quad \quad \quad -y \\ \hline 12.3 - 3.1y + (-9.2) \\ +9.2 \quad \quad +9.2 \\ \hline 21.5 = -3.1y \\ \quad \quad \quad -3.1 \quad \quad -3.1 \\ \hline y = \frac{21.5}{-3.1} \end{array}$	<p>① question & subtract y from both sides</p> <p>② add to both sides</p> <p>③ divide</p>

9) Solve for x :

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

10) Solve for x :

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