

Pre.

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Unit 18 Review of Linear Equations – Form C

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

$$6 + 8y = 1$$

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

2) Solve for x:

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

3) Solve for x :

~~$3x + 2x = 12$~~

$$\begin{array}{r} 2 \times 9 \\ 5 \times 2 \end{array} \quad \times 4.5$$

4) Solve for y:

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

Show your work here	For each step, explain why
$ \begin{array}{r} 64 - 3 = 2 + 24 \\ - 3 - 3 \\ \hline 64 = 5 + 24 \\ \quad 5 \quad 3 \\ \hline \frac{6}{6} \quad \frac{29}{6} = 4.8333 \end{array} $	<p> DIVIDE SUBTRACT -3 ADD 3 TIMES 6 </p>

5) Solve for y:

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

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

$$\begin{array}{r} 8 + 4 + 4y \\ 8 \quad 8 \end{array}$$

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 :

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

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1) Solve for y

$$-6 + 8y = 1$$

$$8y = -5/8 = -1.6 = y$$

* I subtracted from both sides then I divided

2) Solve for x:

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

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

$$x = 33$$

* I subtracted from both sides then I multiplied

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12 / 5 = 2.4$$

* first I combined like terms then I divided both sides

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $8y + (-3) = 2$ $24y = 6 / 24 = 4$ $y = 4$	Combined like terms Distribute Divide

5) Solve for y:

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

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

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

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

$$y = 9$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ 0.4x + 3.2 = 8.9 \\ -3.2 \quad -3.2 \\ \hline 0.4x = 5.7 \\ \hline 0.4 \quad 0.4 \\ x = 14.25 \end{array}$	<p>Combine like terms</p> <p>Subtracted both sides</p> <p>Divided</p>

7) Solve for x:

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

~~$$-7.4 + 25.4 + (-24.6)$$~~

$$\begin{array}{r} -7.4 + 17.3x = 8.1x - 24.6 \\ +7.4 \qquad \qquad \qquad +7.4 \end{array}$$

$$\begin{array}{r} 17.3x = 8.1x - 17.2 \\ -8.1x \quad -8.1x \\ \hline 9.2x = 17.2 / 9.2 = 1.869 \end{array}$$

$$9.2x = 17.2 / 9.2 = 1.869$$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 9.9 = -6.3y + (-4.2)$ $6.4y + 9.9 = -4.2$ $-26.88 + 9$ $y + 9.9 = -6.3y - 4.2$ $\begin{array}{r} -9.9 \qquad \qquad -9.9 \\ \hline y = -6.3y - 14.1 \end{array}$ $\begin{array}{r} +6.3y + 6.3y \\ \hline 7.3y = -14.1 \div 7.3 = \end{array}$	Distribute signs Subtracted 9.9 Added 6.3y Divided both sides

$$= 1.931$$

9) Solve for x:

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

$$7x + 5 = -3x$$

$$2 \cdot 2$$

$$7x + 10 = -3x$$

$$7x + 10 = -3x$$

$$10 = -6x \quad -6x / 10 = -0.6$$

10) Solve for x:

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

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

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

$$16.3x - 5.9x = -7.5x - 1.1$$

$$22.2x = -7.5x - 1.1$$

$$-7.5x - 7.5x$$

$$14.7x = -1.1 \quad / 14.7 = -0.0748$$

$$x = -0.0748$$

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2) Solve for x:

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

3) Solve for x :

$$3x + 2x = 12$$

4) Solve for y :

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

Show your work here	For each step, explain why

5) Solve for y:

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

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 :

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

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

10) Solve for x :

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

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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

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ \frac{8y}{8} = \frac{-5}{8} \\ y = -0.625 \end{array}$$

2) Solve for x:

$$\begin{array}{r} 3 \cdot \frac{x}{3} + 4 = -7 \cdot 3 \\ 4 \times \frac{21}{4} \\ x = 5.25 \end{array}$$

3) Solve for x :

$$3x + 2x = 12$$

4) Solve for y :

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $6y + \cancel{-3} = 2 + 2y$ $+3 \quad +3$ $6y = 5 + 2y$	

5) Solve for y:

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

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 :

$$1. \frac{7x+5}{2} = -3x$$

$$\begin{array}{r} 7x + 5 = -6 \\ -5 \quad -5 \\ \hline 7x = -11 \\ \hline x = -\frac{11}{7} \end{array}$$

$$x = -1.57$$

10) Solve for x :

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

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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

$$6 + 8y = 1$$

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

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

$$y = -0.625$$

I subtracted 6 from 1

Then divided both sides by 8

2) Solve for x:

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

$$\begin{array}{r} -3 \quad -4 \quad -4 \\ \hline \end{array}$$

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

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

$$x = 33$$

I subtracted 4 from -7 then
multiplied 3 on both
side

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12 \quad x = 2.4$$

Divided

then divided each side by 5

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $-18y = 2 + 2y$	Divide each side by 5

5) Solve for y:

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

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

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

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$ $-3.2 \quad -3.2$ $-4.8x = 5.7 + 2.5x$	

7) Solve for x:

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

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

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y - 4.2 \\ -9.9 \quad -9.9 \\ \hline y = -6.3y - 14.1 \end{array}$	

9) Solve for x :

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

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

10) Solve for x :

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

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

$$16.3x - 5.9x = -7.5x + 35.4$$

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1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ \underline{-6} \\ 8y = -5 \\ \underline{\div 8} \\ y = -0.625 \end{array}$$

2) Solve for x:

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

3) Solve for x:

$$\begin{array}{r}
 3x + 2x = 12 \\
 \cancel{3} \quad 3 \\
 \hline
 2x = 9 \\
 \frac{2x}{2} = \frac{9}{2} \\
 \hline
 x = 4.5
 \end{array}$$

4) Solve for y:

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

Show your work here	For each step, explain why
$ \begin{array}{r} 6y + \cancel{-3} = 2 + 2y \\ -3y - \cancel{3} \\ \hline 3y = 5 \\ \frac{3y}{3} = \frac{5}{3} \\ \hline y = 1.\bar{6} \end{array} $	<p> $6y + (-3) = 2 + 2y$ $-3y - \cancel{3}$ \hline $3y = 5$ $\frac{3y}{3} = \frac{5}{3}$ \hline $y = 1.\bar{6}$ </p>

5) Solve for y:

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

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

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 :

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

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1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ \frac{8y}{8} = \frac{-5}{8} \\ y = -0.625 \end{array}$$

2) Solve for x:

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

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
$\begin{array}{r} 6y - 3 = 2 + 2y \\ +3 \quad +3 \\ \hline 6y = 5 + 2y \\ -2y \quad -2y \\ \hline 4y = 5 \\ \div 4 \quad \div 4 \\ \hline y = 1.25 \end{array}$	<p>First I gotta add 3 to both sides then I took away 2y from both sides then I divided by 4 and got 1.25.</p>

5) Solve for y:

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

$$\begin{array}{r} 8 - 5y = -1 + 4y \\ + 5y \quad -5y \quad -1 + 1y \\ \hline \end{array}$$

$$\begin{array}{r} -5y = -9 + 4y \\ -4y \quad -4y \\ \hline \end{array}$$

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

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ -3.2 \quad -3.2 \\ \hline -4.8x + 5.7 = 8.9 + 2.5x \\ -2.5x \quad -2.5x \\ \hline -7.3x = 3.2 \\ -7.3 \quad -7.3 \\ \hline x = .4385 \end{array}$	<p>I took away 3.2 from both sides then I took away 2.5x from both sides then I divided by -7.3 from both sides</p>

7) Solve for x:

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

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

$$\begin{array}{r} 17.3x - 8.1x - 32 \\ -8.1x \quad -8.1x \end{array}$$

$$\begin{array}{r} 9.2x = -32 \\ 9.2 \quad \quad 9.2 \end{array}$$

$$x = -3.4783$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y - 4.2 \\ -9.9 \quad \quad 9.9 \end{array}$ $y = -6.3y - 14.1$ $+6.3y$ $\begin{array}{r} 7.3y = -14.1 \\ 7.3 \quad \quad 7.3 \end{array}$ $y = -1.9315$	

9) Solve for x:

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

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

$$\frac{7x}{7} = \frac{-11}{7}$$

$$x = -1.5714$$

10) Solve for x:

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

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Unit 18 Review of Linear Equations – Form C

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1) Solve for y

$$6 + 8y = 1$$

$$8y = -5$$

$$y = -0.25$$

2) Solve for x:

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

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

$$x = 33$$

3) Solve for x :

$$3x + 2x = 12$$

4) Solve for y :

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

Show your work here	For each step, explain why

5) Solve for y :

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

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 :

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

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1) Solve for y

$$6 + 8y = 1$$

2) Solve for x:

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

3) Solve for x :

$$3x + 2x = 12$$

4) Solve for y :

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

Show your work here	For each step, explain why
$3x + 2x = 12$ $5x = 12$ $x = \frac{12}{5}$ $x = 2.4$	<p>Step 1: $3x + 2x = 12$ Combine like terms.</p> <p>Step 2: $5x = 12$ Simplify the equation.</p> <p>Step 3: $x = \frac{12}{5}$ Divide both sides by 5.</p> <p>Step 4: $x = 2.4$ Convert the fraction to a decimal.</p>
$6y + (-3) = 2 + 2y$ $6y - 3 = 2 + 2y$ $6y - 2y = 2 + 3$ $4y = 5$ $y = \frac{5}{4}$ $y = 1.25$	<p>Step 1: $6y + (-3) = 2 + 2y$ Simplify the equation.</p> <p>Step 2: $6y - 3 = 2 + 2y$ Combine like terms.</p> <p>Step 3: $6y - 2y = 2 + 3$ Subtract $2y$ from both sides and add 3 to both sides.</p> <p>Step 4: $4y = 5$ Simplify the equation.</p> <p>Step 5: $y = \frac{5}{4}$ Divide both sides by 4.</p> <p>Step 6: $y = 1.25$ Convert the fraction to a decimal.</p>

5) Solve for y:

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

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

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{aligned} -4.8x + 3.2 &= 8.9 + 2.5x \\ -4.8x - 2.5x + 3.2 &= 8.9 + 2.5x - 2.5x \\ -7.3x + 3.2 &= 8.9 \\ -7.3x + 3.2 - 3.2 &= 8.9 - 3.2 \\ -7.3x &= 5.7 \\ -7.3x \div -7.3 &= 5.7 \div -7.3 \\ x &= -0.78 \end{aligned}$	<p>Subtract $2.5x$ from both sides to get all x terms on one side.</p> <p>Subtract 3.2 from both sides to isolate the x term.</p> <p>Divide both sides by -7.3 to solve for x.</p>

7) Solve for x:

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

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

$$\begin{array}{r} 17.3x = 8.1x + 17.2 \\ -8.1x \quad -8.1x \\ \hline 9.2x = 17.2 \end{array}$$

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 :

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

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1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 8y = -5 \\ y = -0.625 \end{array}$$

2) Solve for x:

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

$$x + 4 = 21$$

$$\frac{4x}{4} = \frac{21}{4}$$

$$x = 5.25$$

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = 2.4$$

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $6y - 3 = 2 + 2y$ $+3 \quad +3$ <hr/> $9y = 4 + 2y$ $-2y \quad -2y$ $7y = 4$ $\frac{7y}{7} = \frac{4}{7}$ $y = \frac{4}{7}$	<p>First I combined like terms</p> <p>Then I added 3</p> <p>When I got to equation 3, I divided by 7 and got 3.5</p>

5) Solve for y:

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

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:

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

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

$$\frac{7x}{7} = \frac{-11}{7}$$

$$x = -1.571428571$$

10) Solve for x:

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

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1) Solve for y

$$\begin{array}{r} 6 + 8y = 1 \\ \underline{-6} \\ 8y = -5 \\ \underline{-8} \\ y = -0.625 \end{array}$$

2) Solve for x:

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

3) Solve for x:

$$3x + 2x = 17$$

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

$$x = 2$$

4) Solve for y:

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

Show your work here	For each step, explain why

5) Solve for y:

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

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 :

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

~~—~~ ~~17~~

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:

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

$$16.3x + 18.4 + (-5.9x) = 9.8x$$

$$18.4 + (-5.9x) = -6.5$$

$$(-5.9x) = 11.9$$

$$x = -2.016949153$$

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1) Solve for y

$$6 + 8y = 1$$

I subtracted 6 from both sides
then I divided both sides by 8y
because it has the variable.

2) Solve for x:

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

first I subtracted 4 from both
sides then I multiplied both
sides by -3.

3) Solve for x :
 $3x + 2x = 12$

$x = 1$

For the 2nd problem, I have 0.4.
 The number is 0.4, so I multiply it by 10 to get 4.
 Then I divide it by 10 to get 0.4.
 The answer is 0.4.

4) Solve for y :
 $6y + (-3) = 2 + 2y$

Show your work here	For each step, explain why
$6y - 3 = 2 + 2y$ $-3 = 2$ $6y = 17$	

5) Solve for y:

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

$$-3 - 5y = -1 + 4y$$

$$-3 = 9y$$

$$y = -1/3$$

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 :

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