

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.

Evkovich. Prd. 1
Ret.

1) Solve for y

$$\begin{array}{rcl} 6 + 8y & = & 1 \\ -6 & -6 & -6 \end{array}$$

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

$$y = -0.625$$

2) Solve for x:

$$\begin{array}{rcl} \frac{x}{-3} + 4 & = & -7 \\ -4 & -4 & -4 \end{array}$$

$$\begin{array}{rcl} \frac{x}{-3} & = & -11 \\ \times 3 & & \times 3 \end{array}$$

$$x = -33$$

3) Solve for x:

$$3x + 2x = 12$$

~~scribbled out work~~

$$5x = -12$$

$$\frac{-12}{5}$$

$$x = -7\frac{1}{5}$$

4) Solve for y:

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

Show your work here	For each step, explain why
scribbled out work $6y + (-3y) + (-3)$ $4y + (-3)$ $y = 1$	<p>to get y's on same side</p> <p>line up letters</p> <p>combined answer & constant -3</p> <p>final answer</p>

5) Solve for y:

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

$$8 + (-9y) = -1$$

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

$$y = 1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-2.5x$	gets all x's on same side.
$-4.8x - 2.5x$ $-7.3x$	add up x variables and variable answer
$(-7.3x) + 3.2 = 8.9$ $-3.2 - 3.2$	sub. 3.2 to both sides
$\frac{(-7.3x)}{-7.3} = \frac{5.7}{-7.3}$	Divide & eliminate -7.3

$$x = -0.780821918 \text{ final answer}$$

7) Solve for x:

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

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

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

$$x = -1.869565217$$

8) Solve for y:

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

Show your work here	For each step, explain why
$-y$	to get all y variables on 1 side.
$-6.3y - y$	add up y variables
$-7.3y$	
$9.9 = -7.3y + (-4.2)$ $-9.9 \quad +9.9$	sub. 9.9 to both sides
$-7.3y = -14.1$ $-7.3 \quad -7.3$	Answer divided by -7.3y

$$y = 1.931506849$$

Final Answer

9) Solve for x:

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

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

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

$$\frac{15x}{2}$$

$$x = 7.5$$

10) Solve for x:

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

$$29.7x + 18.4 = 17.3$$

$-18.4 \quad -18.4$

$$\frac{29.7x}{29.7} = \frac{-1.1}{29.7}$$

$$x = -0.037037037$$

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1) Solve for y

$$6 + 8y = 1$$

Erlench - Dad.1

Ret.

Student Absent

2) Solve for x:

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

1. The first part of the document is a list of the names of the persons who have been named in the document. The names are listed in alphabetical order.

2. The second part of the document is a list of the names of the persons who have been named in the document. The names are listed in alphabetical order.

3. The third part of the document is a list of the names of the persons who have been named in the document. The names are listed in alphabetical order.

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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Erkovich. Prd. 1
Ret.

1) Solve for y

$$6 + 8y = 1$$

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

$$-5/8$$

2) Solve for x:

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

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

$$\begin{array}{r} \text{33} \end{array}$$

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

$$x = 12/5$$

4) Solve for y:

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

$$4y = 5$$

$$y = 5/4$$

Show your work here	For each step, explain why

5) Solve for y:

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

$$-1y = -9$$

$$y = 9$$

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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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

$$6 + 8y = 1$$

Erbovich, Prd. 1

Ret.

Student Absent

2) Solve for x:

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

1. The first part of the document is a list of the names of the persons who have been appointed to the various positions of the Board of Directors of the Corporation. The names are listed in alphabetical order, and each name is followed by the position to which he or she has been appointed.

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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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

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

Erkonich. Prd. 1
Ret.

2) Solve for x:

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

Unit 18 Form C

Unit 18 Form C

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 6y + (-3) = 2 + 2y \\ 8y + (-3) = 2 \\ -8y - 8y \\ \hline -5y = 2 \\ -5 \\ y = -2 \end{array}$	<p>add Both y's together then subtract 8 from Both sides (6+2) ②</p>

5) Solve for y:

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

$$y = -0.91$$

$$0.1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$ $3.2 = 8.9 + 2.3x$ $\begin{array}{r} -2.3x \quad -2.3x \\ \hline 0.9x = 8.9 \end{array}$ $9.88889x$	<p>add the x's together</p> <p>then add 2.3</p> <p>to both sides</p> <p>when divide</p> <p>0.9 : 8.9</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 :

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

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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

$$6 + 8y = 1$$

$$-6 \quad -6$$

$$8y = -5$$

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

Erkenn. Prd. 1

Ret.

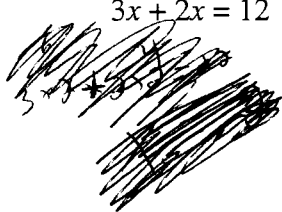
2) Solve for x:

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

$$x = -21$$

3) Solve for x:

$$3x + 2x = 12$$



$$x = 2$$

4) Solve for y:

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

$$y = 2$$

Show your work here	For each step, explain why
	2.

5) Solve for y: $8 + (-5y) = -1 + 4y$

2. 3 AND 2

2 = 7
 3 = 11
 4 = 15
 5 = 19

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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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

$$6 + 8y = 1$$

-6

$$8y = -5$$

8

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

Erkovich. Prd-1

Det.

2) Solve for x:

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

-4

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

$$x = 33$$

3) Solve for x :

$$3x + 2x = 12$$

$$\bar{S}_X = 13$$

5

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

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + -3 = 2 + 2y$ $2y + 6y + -3 = 2$ $5y + 6y = 2 - 3$ $y(2+6) = 2-3$ $y = \frac{2-3}{2+6}$	None

5) Solve for y:

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

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

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

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

$$y = \frac{7}{-1} \quad y = -7$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{aligned} -4.8x + 3.2 &= 8.9 + 2.5x \\ 3.2 + 8.9 &= -4.8x + 2.5x \\ " " &= -2.3x \\ \frac{12.1}{-2.3} &= x \end{aligned}$	

7) Solve for x:

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

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

$$25.4x = 17.2$$

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

8) Solve for y:

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

Show your work here	For each step, explain why
$-6.3y = 9.9 + -4.2$ $-6.3y = 5.7$ $y = \frac{5.7}{-6.3}$	

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

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

$$6 + 8y = 1$$

$$\begin{aligned} 8y &= 1 - 6 \\ 8y &= -5 \\ y &= \frac{-5}{8} \end{aligned}$$

Evporich . Prd. 1

Dot.

2) Solve for x:

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

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

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

$$x = 33$$

1. The first part of the document is a list of the names of the members of the committee who have been appointed to study the problem of the shortage of housing in the city of New York.

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $6y - 2y + (-3) = 2$ $4y + (-3) = 2$ $4y = 5$ $y = \frac{5}{4}$	subtract $2y$ add like terms add 3 to both sides solve

5) Solve for y:

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

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

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

$$8 = -1 + 9y$$

$$9 = 9y$$

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

$$1 = y$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$	
$3.2 = 8.9 + 7.3x$	add $4.8x$
$3.2 - 8.9 = 7.3x$	add like terms
$5.7 = 7.3x$	
$\frac{5.7}{7.3} = x$	divide by 7.3
	solve

7) Solve for x:

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

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

$$-7.4 = 8.1x + 17.4x + (-24.6)$$

$$-7.4 = 25.5x + (-24.6)$$

$$-7.4 + 24.6 = 25.5x$$

$$17.2 = 25.5x$$

$$\frac{17.2}{25.5} = x$$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 9.9 = -6.3y + (-4.2)$	
$y + 6.3y + 9.9 = -4.2$	add 6.3 to both sides
$7.3y + 9.9 = -4.2$	simplify
$7.3y = -4.2 - 9.9$	subtract 9.9 from both sides
$7.3y = -14.1$	simplify
$y = \frac{-14.1}{7.3}$	Solve

9) Solve for x:

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

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

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

$$\frac{5}{2} \cdot \frac{1}{4} = x$$

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

10) Solve for x:

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

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

$$17.9x + 18.4 = 17.3$$

$$17.9x = 1.1$$

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

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

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

$$\frac{8y}{8} = \frac{-5}{8} \quad \text{[scribbled out work]}$$

Erkovich. Prod. 1

Ret.

2) Solve for x:

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

$$\frac{x}{-3} = \frac{-11}{-3} \quad \text{[scribbled out work]}$$

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3) Solve for x:

$$3x + 2x = 12$$

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

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

4) Solve for y:

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

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

5) Solve for y:

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

~~$$+5 \quad +5$$~~

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

$$8 = -1 + 4y$$

$$+1 \quad +1$$

$$\frac{9}{9} = \frac{4y}{9}$$

$$y = 1$$

6) Solve for x:

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

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

7) Solve for x :

$$\begin{array}{r} -7.4 + 17.3x = 8.1x + (-24.6) \\ -17.3 \quad -17.3 \quad -17.3 \\ \hline -7.4 = 8.1x + 24.6 \\ +7.4 \qquad \qquad +7.4 \\ \hline 8.1x = 17.2 \\ \hline 8.1 \qquad \quad -8.1 \end{array}$$

8) Solve for y:

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

Show your work here	For each step, explain why
$5 + 9.9 = -6.3 + (-9.2)$ 5 + 9.9 = -6.3 + (-9.2) $9.9 = -6.3$	

9) Solve for x:

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

10) Solve for x:

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

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

$$18.4 = -17.9x + 17.3$$
$$-17.3$$

$$+17.3$$

$$1.1 = -17.9x$$

$$\frac{1.1}{-17.9} = \frac{-17.9x}{-17.9} \quad x = -0.2727$$

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

$$6 + 8y = 1$$

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

Erkovich-Pid-1

Ret.

2) Solve for x:

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

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

$$x = 33$$

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + -3 = -2$ $4y = -1$ $y = -\frac{1}{4}$	Subtracted $2y$ from both sides then I added 3 to both sides. Then my final answer was $-\frac{1}{4}$

5) Solve for y:

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

$$8 = -1 + 9y$$

$$9 = 9y$$

$$1 = y$$

6) Solve for x:

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

Show your work here	For each step, explain why
$3.2 = 8.9 - 2.3x$ $-5.7 = -2.3x$ <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> $\begin{array}{r} -5.7 \\ -2.3 \\ \hline \end{array} = x$ </div>	<p>I subtracted 4.8 from 2.5 and got</p> <p>$-5.7 = -2.3x$ then it was</p> $\begin{array}{r} -5.7 \\ -2.3 \\ \hline \end{array} = x$

7) Solve for x:

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

$$-7.4 + 9.2 = 24.6$$

$$9.2x = 32$$

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

8) Solve for y:

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

Show your work here	For each step, explain why
$-5.3y + 9.9 = -4.2$ $-6.3y = -5.7$ $y = \frac{-5.7}{-6.3}$	<p>I subtracted $-6.3y$ from both sides to get $-5.3y = -5.7$ in the end. And that's the answer $\frac{-5.7}{-6.3}$</p>

9) Solve for x:

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

$$7x = -6x$$

$$x = -21$$

10) Solve for x:

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

$$14.7x + 18.4 = 17.3$$

$$14.7x = -1.1$$

$$x = \frac{-1.1}{14.7}$$

Unit 18 Review of Linear Equations – Form C

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1) Solve for y

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

$$\begin{array}{r} 8y = -5 \\ \underline{45} \\ 45 \end{array}$$

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

Evpor. ch. Prd. 1

Ret.

2) Solve for x:

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

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

$$x = 3.6$$

Unit 18 Form C

Unit 18 Form C

3) Solve for x:

$$3x + 2x = 12 - 2$$

$$5x = 10$$

$$x = 3.33$$

4) Solve for y:

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

Show your work here	For each step, explain why
$6y + (-3) = 2 + 2y$ $+6y = 2 + 2y + 3$ $9y = 2 + 2y + 3$ $4y = 5$ $y = 1.25$	<p>You add 3 to both sides since the 3 is negative</p> <p>Then</p>

5) Solve for y:

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

\rightarrow +5y to both sides
+1 to
 $9 = 9y$
 $\div 9$

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

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

$$9 = 9$$

$$1 = 1$$

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:

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

$$\begin{aligned} -7.4 + 17.3x &= 8.1x + (-24.6) \\ -7.4 + 17.3x + 24.6 &= 8.1x \\ 2.5 \quad 32.7 \\ 13.08 &= x \end{aligned}$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{aligned} y + 9.9 &= -6.3y + (-4.2) \\ y + 9.9 + 4.2 &= -6.3y \\ 9.9y & \\ -2.1 & \\ y &= -0.212 \end{aligned}$	$\begin{aligned} &\text{Add } 4.2 \text{ for } -4.2 \text{ on sides} \\ &\text{add } 4.2 \text{ to } -6.3 \\ &9.9y \div -2.1 \\ &y = -0.212 \end{aligned}$

9) Solve for x :

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

$$2.5: 4$$

$$1.6 = x$$

10) Solve for x :

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

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

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

Explain. 1st-1

Ret.

2) Solve for x:

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

3) Solve for x:

$$3x + 2x = 12$$

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

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

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 -2y \\ \hline 4y + (-3) < 2 \\ -3 \quad -3 \\ \hline 4y < 5 \\ 4 \quad 4 \\ \hline y < \frac{5}{4} \end{array} $	<p>Subtract $2y$ from right side do that to both left side.</p> <p>Then subtract -3 from both sides add $+3$ to both sides.</p> <p>$4y < 5$</p> <p>Divide both sides by 4.</p> <p>$y < \frac{5}{4}$</p>

5) Solve for y:

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

6) Solve for x :

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

Show your work here	For each step, explain why
$ \begin{array}{r} -48x + 2 = 54 + 2 \\ -2 \\ \hline -48x + 2 = 56 \\ -2 \\ \hline -48x = 54 \\ \div -48 \\ x = -1.125 \end{array} $	<p>Subtract 2 from both sides. $-48x + 2 - 2 = 54 + 2 - 2$</p> <p>Simplify. $-48x + 2 - 2 = 56 - 2$</p> <p>Subtract 56 from both sides. $-48x + 56 - 56 = 56 - 56$</p> <p>Simplify. $-48x = 0$</p> <p>Divide both sides by -48. $\frac{-48x}{-48} = \frac{0}{-48}$</p> <p>Simplify. $x = 0$</p>
$ \begin{array}{r} 2.3x + 3.2 = 8.9 \\ -3.2 \\ \hline 2.3x = 5.7 \\ \div 2.3 \\ x = 2.3 \end{array} $	<p>Subtract 3.2 from both sides. $2.3x + 3.2 - 3.2 = 8.9 - 3.2$</p> <p>Simplify. $2.3x + 3.2 - 3.2 = 5.7$</p> <p>Divide both sides by 2.3. $\frac{2.3x}{2.3} = \frac{5.7}{2.3}$</p> <p>Simplify. $x = 2.3$</p>

7) Solve for x:

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

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

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

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

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

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y + (-4.2) \\ -y \quad -1.0y \\ \hline 9.9 = 7y + (-4.2) \\ +4.2 \quad +4.2 \\ \hline 14.1 = 7y \\ \hline y = \frac{14.1}{7} \end{array}$	

9) Solve for x:

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

?

(

10) Solve for x:

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

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

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

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

$$8y = -5$$

$$y =$$

Evlavich. Prod. 1

Det.

2) Solve for x:

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

$$-3x = -3$$

$$x = -9$$

[illegible]

Unit 18 Form C

3) Solve for x :

$$3x + 2x = 12$$

~~5~~ x

4) Solve for y :

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

Show your work here	For each step, explain why
$x = 5$	

5) Solve for y:

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

$$x = 1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$x = 13.0$	

7) Solve for x :

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

$$\begin{array}{r} 7.4 + 17.3x = 8.1x + (-24.6) \\ -8.1x \quad -8.1x \\ \hline 7.4 - 24.6 \\ \hline -17.2 \\ \hline 17.3x - 17.2 \\ \hline x = 48.6 \end{array}$$

$$x = 48.6$$

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:

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

$$\begin{array}{r} 16.3x + 18.4 \\ - 5.9x - 18.4 \\ \hline 10.4x \end{array}$$

$$\begin{array}{r} 17.3 \\ - 7.5x \\ \hline 22.2 \end{array}$$

$$x = 5.1$$

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

$$6 + 8y = 1$$

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

$$y = -0.625$$

Erkovich. Prod. 1
Dot.

2) Solve for x:

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

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

$$x = 33$$

[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

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>Combine y's to get on one side</p> <p>subtract -3 to undo addition</p> <p>Divide by 4 to undo multiplication</p>

5) Solve for y:

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

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

$$\frac{9}{9} = \frac{4y}{9}$$

$$y = 1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} 7.3x + 3.2 = 8.9 \\ - 3.2 \quad - 3.2 \\ \hline 7.3x = 5.7 \\ \frac{7.3x}{7.3} = \frac{5.7}{7.3} \end{array}$ $x = 780821918$	<p>combine x's</p> <p>subtract to undo add term</p> <p>divide to undo multiplication</p>

7) Solve for x:

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

$$-7.4 + 9.2x = (-24.6)$$

$$+ 7.4 \qquad + 7.4$$

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

$$-1.869565217$$

8) Solve for y:

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

Show your work here	For each step, explain why
$7.3y + 9.9 = -4.2$ $-9.9 \qquad -9.9$ $\frac{7.3y}{7.3} = \frac{-14.1}{7.3}$ $y = -1.931506849$	<p>combine x's</p> <p>subtract to undo addition</p> <p>divide to undo multiplication</p>

9) Solve for x:

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

$$\frac{10x+5}{2} = 0$$

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

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

$$x = -1$$

10) Solve for x:

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

$$\begin{array}{rcl} 22.2x + 18.4 & = & -7.5x + 17.3 \\ + 7.5x & & + 7.5x \end{array}$$

$$\begin{array}{rcl} 29.7x + 18.4 & = & 17.3 \\ - 18.4 & - & 18.4 \end{array}$$

$$\frac{29.7x}{29.7} = \frac{-1.1}{29.7}$$

$$x = -0.037037037$$

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

$$6 + 8y = 1$$

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

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

Evkovich. Prod. 1

Ret.

2) Solve for x:

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

$$\begin{array}{r} \cancel{x} \\ -3 = 3 \cdot -5 \\ \times 3 \end{array}$$

$$x = 9$$

3) Solve for x:

$$3x + 2x = 12$$

$$5x = 12$$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{l} 6y + -3 = 2 + 2y \\ -2 \\ \hline 4 + -3 = 2y \\ +3 \quad +3 \\ \hline 4 = 5y \\ \hline y = \frac{4}{5} \end{array}$	<p>First i subtracted 2 from both sides, then i added 3 to both sides then got my answer</p> $y = \frac{4}{5}$

5) Solve for y:

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

$$\begin{array}{r} -9y + 8 = -1 \\ +9 \quad +9 \end{array}$$

$$y + 17 = -1$$

$$y = -1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$\begin{array}{r} -4.8x + 3.2 = 8.9 \\ +4.8x \quad +4.8x \\ \hline x + 3.2 = 8.9 \\ -3.2 \quad -3.2 \\ \hline x = 5.7 \end{array}$	<p>First I added the x's together then added 4.8 to both sides then sub 3.2 from both sides</p>

7) Solve for x:

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

$$2.54x + -7.4 = -24.6$$

$$24.6$$

$$X \frac{24.6}{-7.4}$$

$$\begin{array}{r} 17.3 \\ + 8.1 \\ \hline 25.4 \end{array}$$

8) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} y + 9.9 = -6.3y + -4.2 \\ - 9.9 \quad - 9.9 \\ \hline y = 3.3 + 4.2 \\ y = 3.3 \quad - 3.3 \\ \hline y = 1.1 \end{array}$	<p>First, added Subtracted 9.9 from both sides then sub 3.3.</p>

9) Solve for x:

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

$$\begin{array}{r} 7x+5 \div 2 = -3x \\ -5 \qquad -5 \end{array}$$

$$7x \div 2 = 2x$$

$$14x \div 2$$

$$x = 7$$

10) Solve for x:

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

$$\begin{array}{r} 16.3 \\ -5.9 \\ \hline 10.4 \end{array}$$

$$\begin{array}{r} 297x + 18.4 = 17.3 \\ -18.4 \quad -18.4 \\ \hline 297x = 1.1 \end{array}$$

$$x = \frac{2.97}{1.11}$$

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

$$\begin{array}{r} 6 + 8y = 1 \\ -6 \quad -6 \\ \hline 0 \quad 8y = -5 \\ \quad y = -\frac{5}{8} \end{array}$$

(Handwritten note: y = -5/8)

Erkovich, Prod. 1
Rot.

2) Solve for x:

$$\begin{array}{r} \frac{x}{-3} + 4 = -7 \\ -3 \quad -12 \quad -12 \\ \hline \quad \quad -3 \\ \quad \quad \quad -3 \end{array}$$

(Handwritten note: x = -9)

• *Journal of the American Medical Association*, 1997; 277: 1033-1037

3) Solve for x:

$$3x + 2x = 12$$

$$\begin{array}{r} 3x + 2x = 12 \\ -2x \\ \hline 3x = 12 \\ \div 3 \\ \hline x = 4 \end{array}$$

4) Solve for y:

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

Show your work here	For each step, explain why

5) Solve for y:

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



Handwritten work for problem 5 shows the equation $8 + (-5y) = -1 + 4y$ and a circled result of $-\frac{9}{9}$.

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:

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

Handwritten work shows the equation $\frac{7x+5}{2} = -3x$ with a circled answer of $\frac{10}{7}$ and a small $\frac{+3}{6}$ written below the denominator 2.

10) Solve for x:

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

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

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

Erkovich. Prod. 1
Rot.

2) Solve for x:

$$\begin{aligned} \frac{x}{-3} + 4 &= -7 \\ -4 & \quad -4 \\ \hline \frac{x}{-3} &= -3 \\ \times 3 & \quad \times 3 \\ \hline x &= 9 \end{aligned}$$

2000

3) Solve for x:

$$\begin{aligned} 3x + 2x &= 12 \\ (3x + 2x) &= 12 \\ 5x &= 12 \\ y &= \frac{5}{12} \end{aligned}$$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{aligned} 6y + (-3) &= 2 + 2y \\ 6y + (-3) &\overset{-2}{=} 2y \\ -3 & \\ 3y &= 2y \\ y &= 5 \end{aligned}$	<p>First I subtracted 2 from 2y.</p> <p>Next I subtracted -3 from 6y and got 3y.</p> <p>Then I combined 3y and 2y to get my answer of 5.</p>

5) Solve for y:

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

$$\begin{array}{rcl} +5 & & +5 \end{array}$$

$$8 = -1 + 9y$$

$$9 = 9y$$

$$1 = y$$

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:

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

$$+24.6 \quad +24.6$$

$$17.2 + 17.3x = 8.1x$$

$$-17.2 \quad -17.2$$

$$25.4 = x$$

8) Solve for y:

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

Show your work here	For each step, explain why

9) Solve for x:

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

$$\frac{14x}{2}$$

$$6x = -3x$$

$$3 = x$$

10) Solve for x:

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

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

$$6 + 8y = 1$$

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

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

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

Evkovich. Prod. 1

Ret.

2) Solve for x:

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

$$\begin{array}{r} -4 \\ -4 \end{array}$$

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

$$x = -33$$

11.11.11

11.11.11

3) Solve for x:

$$3x + 2x = 12$$

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

$$x = \frac{12}{5} = 2\frac{2}{5}$$

4) Solve for y:

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

Show your work here	For each step, explain why
$\begin{array}{r} 6y + (-3) = 2 + 2y \\ -2y \quad \quad \quad -2y \\ \hline 4y - 3 = 2 \\ +3 \quad \quad +3 \\ \hline 4y = 5 \\ \div 4 \quad \div 4 \\ \hline y = \frac{5}{4} \end{array}$	<p>① problem then sub 2y from 6y or get 4y</p> <p>② add 3 to 2 and get 5</p> <p>③ divide 5 by 4 and get answer</p> <p>5/4 or 1 1/4</p>

5) Solve for y:

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

$$8 = -1 + 9y$$

$$\frac{9}{9} 9$$

$$y = 1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$ \begin{array}{r} -4.8x + 3.2 = 8.9 + 2.5x \\ +4.8x \quad +4.8x \\ \hline 3.2 = 8.9 + 7.3x \\ -8.9 \quad -8.9 \\ \hline -5.7 = 7.3x \\ \frac{-5.7}{7.3} = \frac{7.3x}{7.3} \\ -0.78 = x \end{array} $	<p>① Subtract 4.8x to both sides to get 3.2 = 8.9 + 7.3x</p> <p>② Subtract 8.9 from both sides to get -5.7 = 7.3x</p> <p>③ Divide both sides by 7.3 to get answer.</p>

7) Solve for x:

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

$$\begin{array}{r} -8.1x \quad -8.1x \\ \hline 9.2x \end{array}$$

$$\begin{array}{r} -7.4 + 9.2x = -24.6 \\ + 7.4 \quad \quad + 7.4 \\ \hline 17.2 \end{array}$$

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

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

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 :

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