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

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

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

$y = -0.625$

2) Solve for x:

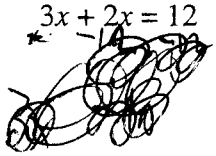
$\frac{x}{-3} + 4 = -7$
$-4 \quad -4$

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

$x = -33$

3) Solve for x:

$3x + 2x = 12$



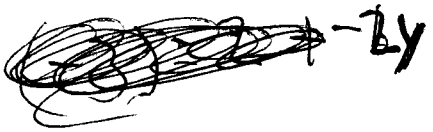
$5x = 12$

$-12 \quad 12$

$x = -7$

4) Solve for y:

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

Show your work here	For each step, explain why
 $6y + (2y) + (-3)$ $4y + (-3)$ $y = 1$	to get y's on same side line up letters combined answer + constant -3 final answer

5) Solve for y:

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

$-4y \quad -4y$

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

$-8 \quad -8$

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

$y = 1$

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.
$(-7.3x) + 3.2 = 8.9$ $-3.2 \quad -3.2$	sub. 3.2 to both sides
$\frac{(-7.3x)}{-7.3} = \frac{5.7}{-7.3}$	Divide & eliminate -7.3

$x = -0.78082918$ final answer

7) Solve for x:

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

$-8.1x \quad -8.1x$

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

$+7.4 \quad +7.4$

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

$X = -1.869565217$

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.
$-6.3y - y$ (or 1) $-7.3y$	add up Y variables
$9.9 = -7.3y + (-4.2)$ $-9.9 \quad +9.9$	sub. 9.9 to both sides
$\frac{-7.3y}{-7.3} = \frac{-14.1}{-7.3}$	~~Answer~~ divided by $-7.3y$

$Y = 1.931506849$ Final Answer

9) Solve for x:

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

$7x + 3x = 10x$

$\frac{10x+5}{2} \quad \frac{15x}{2}$ $x = 7.5$

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

$$6 + 8y = 1$$

Evkovich. Dvd. 1
Ret.
Student Absent

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:

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

8) Solve for y:

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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

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Erbovich. Prd. 1
Ret.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

$8y = -5$

$-5 \div 8$

$-5/8$

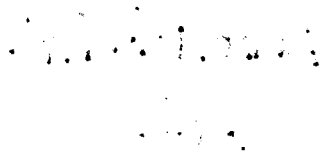
2) Solve for x:

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

$-4 \quad -4$

$-3 \quad -11$

33



3) Solve for x:

$3x + 2x = 12$

$5x = 12$ 12/5

4) Solve for y:

$6y + (-3) = 2 + 2y$ 5/8

$8y = 5$

Show your work here	For each step, explain why

5) Solve for y:

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

$-1y = -7$ $y = 7$

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:

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

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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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Erbovich. Prd. 1
Ret.
Student Absent

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

5) Solve for y:

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

6) Solve for x:

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

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7) Solve for x:

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

8) Solve for y:

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Evkovich. Prd. 1
Ret.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

$8y = -5$

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

2) Solve for x:

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

$-4 \quad -4$

$-7x = -7$

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
$6y + (-3) = 2 + 2y$ $8y + (-3) = 2$ $-8y \quad -8y$ $-5y = 2$ $\frac{-5}{} \quad$ $y = -2$	add both y's together then subtract 8 from both sides

5) Solve for y:

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

$y = .9y$

$0y$

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.3x$ $3.2 = 8.9 + 2.3x$ $-2.3x \quad -2.3x$ $0.9x = 8.9$ $9.88889x$	add the x's together then add 2.3 to both sides then divide 0.9 & 8.9

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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Everwich. Prd. 1
Ret.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

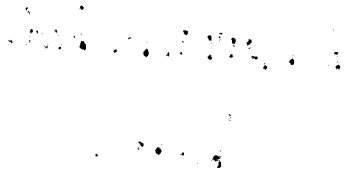
$8y = 1$

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

2) Solve for x:

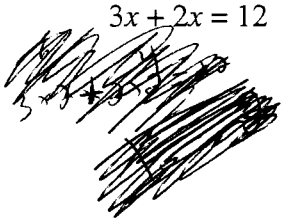
$\frac{x}{-3} + 4 = -7$

$x = -21$



3) Solve for x:

$3x + 2x = 12$



$x = 2$

4) Solve for y:

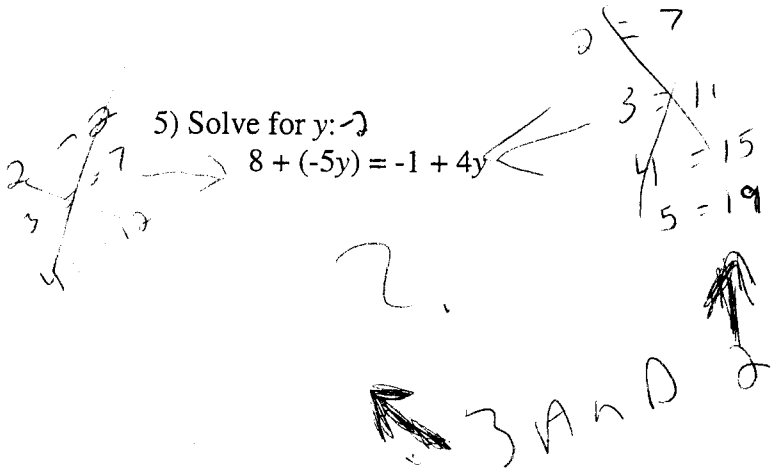
$6y + (-3) = 2 + 2y$

$y = 2$

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

5) Solve for y:

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



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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Erlewich. Prd-1
Ret.

1) Solve for y

$6 + 8y = 1$

-6

$8y = -5$

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

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

2) Solve for x:

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

-4

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

$x = 33$

3) Solve for x:

$3x + 2x = 12$

$5x = 12$

$\frac{5}{5}$

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

4) Solve for y:

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

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

5) Solve for y:

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

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

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

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

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

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$ $3.2 + 5.9 = -4.8x + 2.5x$ $11.1 = -2.3x$ $\frac{11.1}{2.3} = x$	

7) Solve for x:

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

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

$25.4x = 17.2$

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

8) Solve for y:

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

Show your work here	For each step, explain why
$-5.3y = 9.9 + -4.2$ $-5.3y = 5.7$ $y = \frac{5.7}{-5.3}$	

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

$6 + 8y = 1$

Evkovich .Prd.1

Dot.

$8y = 1 - 6$

$8y = -5$

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

2) Solve for x:

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

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

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

$x = 33$

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
$6y + (-3) = 2 + 2y$ $6y - 2y + (-3) = 2$ $4y + (-3) = 2$ $4y = 5$ $y = \frac{5}{4}$	subtract $2y$ add like terms add 3 to both sides solve

5) Solve for y:

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

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

$8 = -1 + 9y$

$9 = 9y$

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

$1 = y$

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 $4.8x$
$-5.7 = 7.3x$	add like terms
$\frac{-5.7}{7.3} = x$	divide by 7.3
	solve

7) Solve for x:

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

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

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

$-17.4 = 25.5x + (-24.6)$

$-17.4 + 24.6 = 25.5x$

$7.2 = 25.5x$

$\frac{7.2}{25.5} = x$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 9.9 = -6.3y - 4.2$ $y + 6.3y - 9.9 = -4.2$ $7.3y + 9.9 = -4.2$ $7.3y = -4.2 - 9.9$ $7.3y = -14.1$ $y = \frac{14.1}{7.3}$	add 6.3y to both sides Combine like terms Subtract 9.9 from both sides Combine like terms Solve

9) Solve for x:

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

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

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

$\frac{5}{8} \cdot \frac{4}{1} = x$

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

10) Solve for x:

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

$10.3x + 18.4 = -7.5x + 17.3$

$17.7x + 18.4 = 17.3$

$17.7x = 1.1$

$x = \frac{1.1}{17.7}$

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Evkovich. Prd. 1
Ret.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

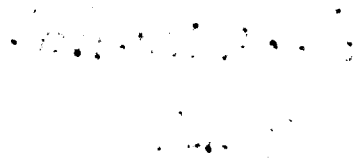
$\frac{8y}{8} = \frac{-5}{8}$

2) Solve for x:

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

$-4 \quad -4$

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



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
$6y + (-3) = 2 + 2y$ $-3 \quad -3$ $6y = 5 + 2y$	

5) Solve for y:

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

+5 +5

$8 = -1 + 9y$

+1 +1

$9 = 9y$

$y = 1$

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

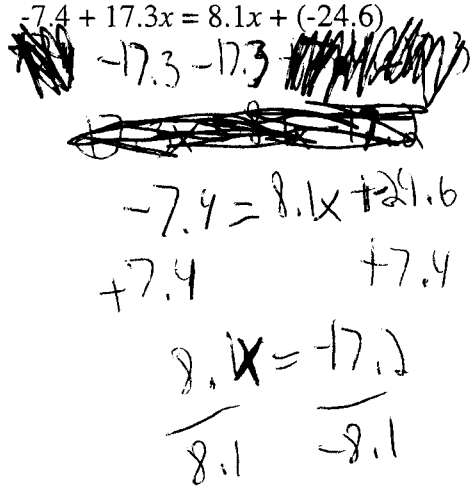
6) Solve for x:

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

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

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

9) Solve for x:

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

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

$\frac{1.1}{1.1} = \frac{-17.9x}{1.1}$ $x = -16.2727$

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Evkovich - Pid. 1

Rot.

1) Solve for y

$6 + 8y = 1$

$8y = -5$

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

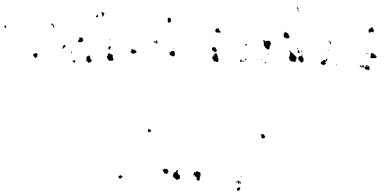
$y = \frac{-5}{8}$

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 6y then I added 3 to both sides. Then my final answer was $y = \frac{-1}{4}$

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
$3.2 = 8.9 - 2.3x$ $-5.7 = -2.3x$ $\frac{-5.7}{-2.3} = x$	I subtracted 1.6 from 2.5x to get $-5.7 = -2.3x$ then it was $\frac{-5.7}{-2.3} = x$

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
$-5.3y + 9.9 = 4.2$ $-5.3y = -5.7$ $y = \frac{-5.7}{-5.3}$	I subtracted $-6.3y$ from y to get $-5.3x = -5.7$, in the end And thats the answer $\frac{-5.7}{-5.3}$

9) Solve for x:

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

$7x = -3x$

-7

$x = -21$

10) Solve for x:

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

$14.7x + 18.4 = 17.3$

$14.7x = -1.1$

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

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Evpovich. Prd. 1

Ret.

1) Solve for y

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

$-6 \qquad -6$

$8y = \frac{.5}{-50}$

45

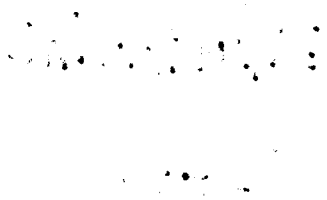
$y = -\frac{5}{8}$

2) Solve for x:

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

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

$x = -3.6$



3) Solve for x:

$3x + 2x = 12$ −2

5 10

$x = 3.33$

4) Solve for y:

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

Show your work here	For each step, explain why
$6y+(-3)=2+2y$ $-2y \quad -2y \quad +3$ $4y = 2+3$ $4y = 5$ $\div 4 \quad \div 4$	you add 3 to both sides since the [illegible] Then

5) Solve for y:

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

+5y to both sides

$8 = -1 + 9y$

$+1 \quad +1$

$9 = 9y$

$-9 \quad -9$

$0 = 0$

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

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

$9 = 9y$

$1 = y$

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:

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

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

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

$2.5 \quad 32.7$

$13.08=x$

8) Solve for y:

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

Show your work here	For each step, explain why
$y+9.9=-6.3y+(-4.2)$ $y+9.9+4.2=-6.3$ $9.9y$ -2.1 $y=-0.212$	add 4.2 for both sides add 6.3 $\frac{9.9}{} = -2.1$ $y=-0.212$

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

$6 + 8y = 1$

$-6 \quad -6$

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

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

Evgovich. Pd-1

Rat.

2) Solve for x:

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

$-4 \quad -4$

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

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

$x = 33$

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
$6y + (-3) = 2 + 2y$ $-2y \qquad -2y$ $4y + (-3) = 2$ $-3 \quad -3$ $\frac{4y}{4} = \frac{-1}{4}$ $y = \frac{-1}{4}$	Subtract 2y from right side do that to the left side. Then subtract [illegible] from both sides after [illegible]

5) Solve for y:

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

$$-4y \qquad -4y$$

$$8 - 9y = -1$$

$$-8 \qquad -8$$

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

$$y = 1$$

6) Solve for x:

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

Show your work here	For each step, explain why
$-4.8x + 3.2 = 8.9 + 2.5x$ $-2.5x \qquad -2.5x$ $-7.3x + 3.2 = 8.9$ $-3.2 \qquad -3.2$ $\frac{-7.3x}{-7.3} = \frac{5.7}{-7.3}$ $x = \frac{5.7}{-7.3}$	subtract 2.5x from both sides. then subtract 3.2 from both sides [illegible] you get [illegible] set them equal [illegible] $-7.3x \div 7.3$ [illegible] that is what [illegible]

7) Solve for x:

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

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

$-8.1 \quad -8.1$

$-7.4 + 9.2x = -24.6$

$+7.4 \quad +7.4$

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

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

8) Solve for y:

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

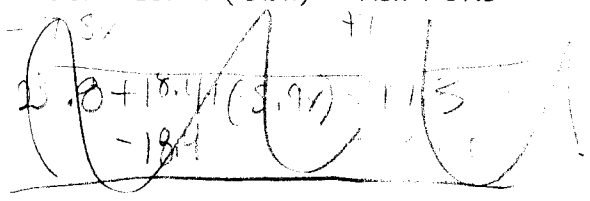
Show your work here	For each step, explain why
$y + 9.9 = -6.3y + (-4.2)$ $-y \quad -1.0y$ $9.9 = 7y + (-4.2)$ $+4.2 \quad +4.2$ $\frac{14.1}{1} = \frac{7y}{1}$ $y = \frac{14.1}{7}$	

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

$6 + 8y = 1$

$-6 \quad -6$

-5

$8y = -5$

$y =$

Evaluation Prod. 1

Ref.

2) Solve for x:

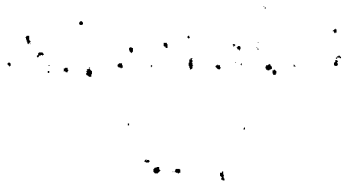
$\frac{x}{-3} + 4 = -7$

$-4 \quad -4$

-3

$-3 \cdot -3$

$x = -9$



3) Solve for x:

$3x + 2x = 12$

$5x$

4) Solve for y:

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

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

5) Solve for y:

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

$x = -1$

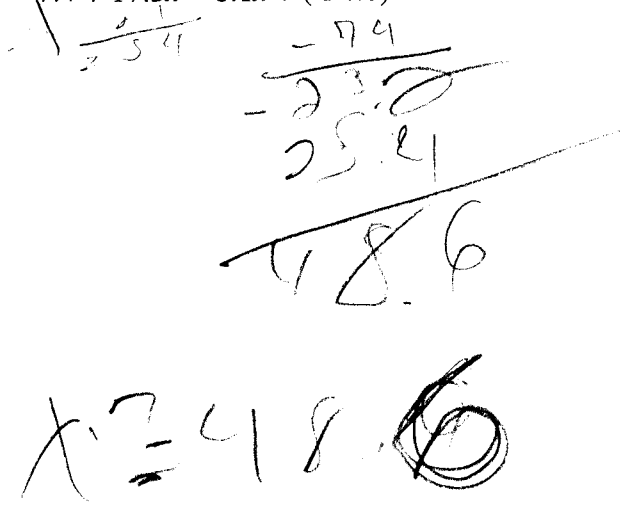
6) Solve for x:

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

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

7) Solve for x:

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



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

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.

Erlevich. Prd. 1
Dot.

1) Solve for y

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

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

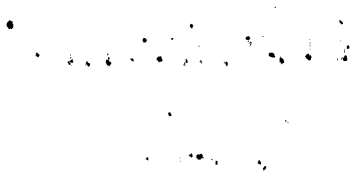
$$y = -0.625$$

2) Solve for x:

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

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

$$x = 33$$



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
$6y + (-3) = 2 + 2y$ $-2y \qquad\qquad -2y$ $4y + (-3) = 2$ $+3 \qquad\quad +3$ $\frac{4y}{4} = \frac{5}{4}$ $y = 1.25$	Combine y's to get on one side subtract -3 to undo addition Divide by 4 to undo multiplication

5) Solve for y:

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

$8 = -1 + 9y$

$+1 \quad +1$

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

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$7.3X + 3.2 = 8.9$ $-3.2 \quad -3.2$ $\frac{7.3X}{7.3} = \frac{5.7}{7.3}$ $X = 780821918$	combine x's subtract to undo addition divide to undo multiplication

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
$7.3y + 9.9 = -4.2$ $-9.9 \quad -9.9$ $\frac{7.3y}{7.3} = \frac{-14.1}{7.3}$ $y = -1.931506849$	combine y's subtract to undo addition Divide to undo multiplication

9) Solve for x:

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

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

$$-5$$

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

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

$$x = -1$$

10) Solve for x:

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

$$22.2x + 18.4 = -7.5x + 17.3$$

$$+7.5x \qquad +7.5x$$

$$29.7x + 18.4 = 17.3$$

$$-18.4 \qquad -18.4$$

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

$$x = -0.037037037$$

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.

Evlevich. Prd. 1

Ret.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

$8y = -5$

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

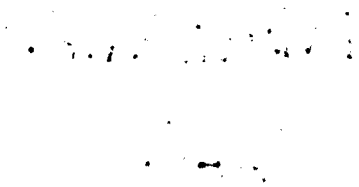
2) Solve for x:

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

$-4 \quad -4$

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

$x = 9$



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
$6y + -3 = 2 + 2y$ $-2 \quad\quad -2$ $4y + -3 = 2y$ $+3 \quad +3$ $4y = 5$ $y = \frac{4}{5}$	first i subtracted 2 from both sides, than i added 3 to both sides than got my answer $y = \frac{4}{5}$

5) Solve for y:

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

$-9y + 8 = -1$
$+9 \quad +9$

$y + 17 = -1$

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-9.5x + 3.2 = 8.9$ $+9.5 \quad +9.3$ $x + 3.2 = 18.2$ $-3.2 \quad -3.2$ $x = \frac{18.2}{3.2}$	First i added the x's together then added 9.3 to both sides then sub 3.2 from both sides

7) Solve for x:

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

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

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

$$x \quad \frac{24.6}{7.4}$$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 9.9 = -6.3y + -4.2$ $-9.9 \quad -9.9$ $y = 3.3 + 4.2$ $-3.3 \quad -3.3$ $y = 1.1$	first i ~~added~~ Subtracted 9.9 from both Sides than Sub 3.3.

9) Solve for x:

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

$7x+5 \div 2 = -3x$
$-5 \quad\quad -5$

$7x \div 2 = 2x$

$14x \div 2$

$X = 7$

10) Solve for x:

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

16.3
5.9
7.5
2.97

$2.97x + 18.4 = 17.3$
$-18.4 \quad -18.4$

$2.97x = 1.11$

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

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.

Evkovich. Prd. 1

Rat.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

$0 \quad 8Y = -5$

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

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

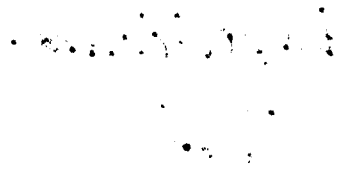
2) Solve for x:

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

$-4 \quad -4$

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

$x = 9$



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:

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

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.

Erkovich. Prd. 1
Rat.

1) Solve for y

$6 + 8y = 1$
$-6 \quad -6$
$\frac{8y}{8} = \frac{-5}{8}$
$y = -5/8$

2) Solve for x:

$\frac{x}{-3} + 4 = -7$
$-4 \quad -4$
$\frac{x}{-3} = 3$
$x3 \quad x3$
$x = 9$

3) Solve for x:

$3x + 2x = 12$

$(3x+2x)=12$

$5x = 12$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$6y+(-3)=2+2y$ $-2 \quad -2$ $6y+(-3)=2y$ -3 $3y = 2y$ $y = 5$	First I subtracted 2 from 2y. Next I subtracted -3 from 6y and got 3y. Then I combined 3y and 2y to get my answer of 5.

5) Solve for y:

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

$+5 \quad +5$

$8 = -1 + 9y$

$9 = 10y$

$1 = y$

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:

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

$\frac{7x}{2}$

$6x = -3x$

$3 = x$

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.

Evkovich. Prd. 1

Rot.

1) Solve for y

$6 + 8y = 1$

$-6 \quad -6$

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

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

2) Solve for x:

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

$-4 \quad -4$

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

$x = 33$

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
$6y + -3 = 2 + 2y$ $-2y \qquad\qquad -2y$ $4y - 3 = 2$ $+3 \qquad +3$ $\frac{4y}{4} = \frac{5}{4}$ $y = \frac{5}{4} \quad \frac{5}{4}$	① problem then sub 2y from 6y and get 4y ② add 3 to 2 and get 5 ③ divide 5 by 4 and then get answer [illegible] or $\frac{5}{4}$ or $1\frac{1}{4}$

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:

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

$-8.1x \quad -8.1x$

$9.2x$

$-7.4 \quad -24.6$

$+7.4 \quad +7.4$

-17.2

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

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

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:

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