CWCTC
pre-test
Evkovich prd 1

CWCTC

Evkovich
spring '07

Lisa Anthony

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

-9 -9

$$-7y = -4$$
$$-4 \quad 4$$

$$(y = -11)$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
-6 -6

$$-\frac{x}{6} = -3$$
+3 +3

$$\left(= \frac{x \, m}{7} \right)$$

3) Solve for x:

$$\frac{2x}{2} + \frac{5x}{2} = 6$$

$x + 2.5x = 6$

$-6 \qquad -6$

$\boxed{-3.5x}$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$\dfrac{4y + (-7) = 5 + 6y}{(-7) \quad -(-7) \quad -5 \quad -5}$	— copied question, to make it more sengable.
$11y \qquad + \qquad 1y$	— subtracted (-7) + 5 from there problems, to get variable all by itself.
$\boxed{= 12y}$	— the result of steps above which add together to get end result.
	final answer.

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

[handwritten work, partially crossed out]

$(-15y) + 5y$

$= 20y$ [circled]

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-6.3 \quad -6.3 \quad -9.7 \quad -9.7$ $(-8.1x) + \quad (-4.6x)$ $= -12.7$ [circled]	We wrote answer to make more sense of question Subtracted 6.3 & 9.7 from there portions of question. The result of a bove step. Final result.

7) Solve for *x*:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$
$$+13.8 \quad +13.8 \quad +5.9 \quad +5.9$$

$$7.5x \qquad 27x$$

$$\boxed{= 34.5}$$

8) Solve for *y*:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+11.6 \quad +11.6$ $8.2y$	rewrite to understand. added 11.6 to -3.4y, and took y+8.2 to get 8.2y. result of steps above

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
pre—
Evlarich prd 1

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

$$9 + 2y = 4$$

$$9 - 9 + 2y = 4 - 9$$

$$\frac{2y = ^-5}{29 \quad 24}$$

$$\cancel{\text{N/A}}$$

$$^-2.1 = y$$

$$2\overline{\smash{\big)}5} \quad \frac{^-2}{4} \quad \frac{4}{1}$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$$\frac{x}{-4} + 6 - 6 = 3 + 6$$

$$\frac{x}{-4} = -9$$

$$x = ^+36$$

3) Solve for x:

$2x + 5x = 6$

$\dfrac{7x}{7} = \dfrac{6}{7}$

$x = 1.\overline{9}$

(scratch work, crossed out)

$0.\overline{9}$

$7\overline{)6.0}$

$\dfrac{5\ 4}{6}$

0.857

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y + (-7) - (-7) = 5 + 6y + (-7)$ $4y = -2 + 6y - 6y$ $6y + 4y = -2$ $-2y = -2$ $y = 1$	1.) Subtract -7 From Both Sides 2) Simplify signs 3.) Add / subtract Terms 4.) Divide 5.) Solve

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

(scribbled/crossed-out work)

$$7 + (-8y) - (-8y) = -3 + 2y - (-8y)$$

$$7 = -3 + (-6y)$$

$$7 - (-3) = -3 - (-3) + -6y$$

$$4 = -6y$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 - 6.3 = 9.7 + 5.1x - 6.3$ $\quad -6.3$ over 3.4	
$-1.8x = 3.4 + 5.1x$	
$-1.8x = 3.4 - 3.4 + 5.1x$	

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
pre —
Evkovick prd. 1

Unit **18** Review of Linear Equations – Form **B**

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

$$9 + 2y = 4$$

$-9 \qquad -9$

-5

$y = -2.5$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$$2x + 5x = 6$$

7x = 6

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
pre –
Evlovick pwd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$$-9 \qquad -9$$

$$\frac{2y}{2} \qquad \frac{-5}{2}$$

$$-2.5$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$$x = -13$$

3) Solve for x:

$2x + 5x = 6$

$$\frac{7x}{7} = \frac{6}{7}$$

$.857$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y + 6y + (-7) = 5$ $10y + (+7) = 5$ $-7 \quad -7$ $\frac{10y}{10} \quad \frac{-2}{10}$ -0.2	Combine like terms, then subtract the -7 because you do opposite then take -7 -5 and get you answer then divide 10y to get y.

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$-6y + 7 = -3$

$ -7 \quad -7$

$\dfrac{-6y}{-6} \quad \dfrac{-10}{-6}$

$1.6\overline{6}$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$3.3x + 6.3 = 9.7$ $ -6.3 \quad -6.3$ $\dfrac{3.3x}{3.3} \quad \dfrac{3.4}{3.3}$ $1.03\overline{0}$	combine like terms then subtract 6.3 from 9.7 beings you do opposite then divide to get x

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$$-6.3 \quad -6.3$$

$$-13.8 + 14.8x + -5.9$$
$$-13.8 \qquad\qquad -13.8$$

$$\frac{14.8x}{14.8} \quad \frac{19.7}{14.8}$$

$$1.331$$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + 11.6$ $\quad -8.2 \qquad -8.2$ $\dfrac{-11.6y}{-11.6} \quad \dfrac{-11.6}{11.6}$ 1	

9) Solve for x:

$$\frac{3x+8}{\cdot 7} = -12x$$

$11 = -12x$

6.416

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
Ave —
Evkovich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

9   9

$$2y = -5$$

$$y = 2$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$2x + 5x = 6$

$\begin{array}{cc} 2 & 2 \end{array}$

$5x \, 4$

$x = 1.24$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y + (-V) = 5 + 6y$ $-7 \quad \mid 5 \quad 5$ $11y = 1y$ 1.4	add (-7) to each side. Get 11y, then subtract 5 minus six and get one. then divide 11 by 2 Get one when 2 dive y's together

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

$$\frac{7 \quad 2 \quad 3 \quad 3}{-9_1 \quad -1y}$$

$$-9y_1$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-6.3 \quad 6.3 \quad \quad 9.7 \quad 9.1$ $\quad \quad 8.3y =$	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
Pre —
Evkovick pnd. 1

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

$$9 + 2y = 4$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$2x + 5x = 6$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

7gi78ec

CWCTC
Pre —
Evlavich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$
$$-9$$

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

$$y = 2.5$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$-6$$

$$9 = \frac{x}{-4}$$

$$36 = 6$$

3) Solve for x:

$$2x + 5x = 6$$

$$X(2+5) = 6$$

$$X = 8$$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + (-) = 5 + 6y$	problem
$4y + -7 + 6y = 5$	move 6y to the left
$4y + 6y = 5 - 7$	then move -7 to the right
$Y(4+6) = 5-7$	find common factor
$Y = \dfrac{5-7}{4+6}$	Divided 4+6

5) Solve for y:
$$7 + (-8y) = -3 + 2y$$

$$2y + 7 + (-8y) = -3$$
$$2y - 8y = -3 + 7$$
$$y(2-8) = -3 + 7$$

$$y = \frac{-3 + 7}{2 - 8}$$

6) Solve for x:
$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$	Problem
$-1.8x + 6.3 + 5.1x = 9.7$	move 5.1x to the left
$-1.8x + 5.1x = 9.7 + 6.3$	move 6.3 to the right
$x(-1.8 + 5.1) = 9.7 + 6.3$	find common factor
$x = \dfrac{9.7 + 6.3}{-1.8 + 5.1}$	

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

$$21.1x - 13.6 + 6.3x = (-5.9)$$

$$21.1x + 6.3x = -5.9 - 13.8$$

$$x(21.4 + 6.3) = -5.9 - 13.8$$

$$x = \frac{-5.9 - 13.8}{21.1 + 6.3}$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why
$y + 8.2 = -3.4y - 11.6$ $\qquad$ $y + 8.2 + -3.4y = -11.6$	problem move 3.4y to the left move 8.2 to the right

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
Pre —
Evlovick prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$2y = 4 - 9$

$2y = -5$

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

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

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$\frac{x}{-4} = -9$

$X = 36$

3) Solve for x:

$$2x + 5x = 6$$

$$7x = 6$$

$$x = \frac{6}{7}$$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + -7 = 5 + 6y$	
$-7 = 5 + 6y - 4y$	get the variable on same side
$-7 = 5 + 2y$	add like terms
$-7 - 5 = 2y$	subtract 5 from both side to get variable alone
$-12 = 2y$	
$-6 = y$	divide by 2 on both sides to get the answer

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$7 = -3 + 2y + 8y$

$7 = -3 + 10y$

$10 = \dfrac{10y}{10}$

$1 = y$

$\dfrac{9.7}{-3}$

3.4

$6.9\overline{)3.460}$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $6.3 = 9.7 + 5.1x + 1.8x$ $6.3 = 9.7 + 6.9x$ $6.3 - 9.7 = 6.9x$ $\dfrac{-3.4}{6.9} = \dfrac{6.9x}{6.9}$ $ = x$	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$-13.8 = 21.1x - 6.3x + (-5.9)$

$-13.8 = 14.8x + (-5.9)$

$-13.8 + 5.9 = 14.8x$

$\dfrac{-7.9}{14.8} = \dfrac{14.8x}{14.8}$

$= x$

$\begin{array}{r} 21.1 \\ -6.3 \\ \hline 14.8 \end{array}$

$\begin{array}{r} 13.8 \\ -5.9 \\ \hline -7.9 \end{array}$

$14.8\overline{)7.80}$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTZ
Pre —
Evkrovick prd - 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$
$$-9 \quad -9$$

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

$$y = .46$$

2) Solve for x:

$$-4 \frac{x}{-4} + 6 = -3 \cdot -4$$

$$x + 6 = -12$$
$$-6 \quad -6$$

$$x = -6$$

3) Solve for x:

$$2x + \cancel{1}x = 6$$

$$-\cancel{5} \quad -5$$

$$\frac{2x}{2} = \frac{1}{2} \quad X = 2$$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + 6y$	
$4y + (-7)$	
$5 + 6$	

5) Solve for *y*:

$7 + (-8y) = -3 + 2y$

$7 + -8y = -3$

$-7 \qquad -7$

$\dfrac{-6y = -10}{-6 \quad -6}$

$y = .124$

6) Solve for *x*:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$-1.8 + 5.1x$	
$-1.8x + 6.3$	
$9.7 + .1x$	

7) Solve for x:

$-13.8 + 6.\cancel{3}x = 21.1x + (-5.9)$

$-6.3 \qquad -.6.3$

$-13.8 = 21.1x + .\cancel{9} \qquad -13.8\overline{)21.1}$

$-13.9 \qquad -13.9 \quad -\cancel{.9}$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

0I891Gg

CWCTZ
pre —
Evlovich prd.1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$$9 - 9 + 2y = 4 - 9$$

$$2y = -5$$

$$y = -2.5$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$$\frac{x}{-4} + 6 - 6 = -3 + 6$$

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

$$x = -12$$

3) Solve for *x*:

$$2x + 5x = 6$$

$$3x = 6$$

$$x = 2$$

4) Solve for *y*:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $$-7 = 5 + 2y$$ $$-7 - 5 = 5 - 5 + 2y$$ $$-12 = 2y$$ $$-6 = y$$	I combined like terms by subtracting 4y from 6y then got 2y for an answer. Then I subtracted 5 from both sides and got -12 = 2y then I divided both sides by 2 and got -6 = y

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$7 + (-8y) = -3 + 2y$

$7 + -8y = -3$

$7 + -8y = -3 - 7 + 7$

$-8y = -10$

$$y = \frac{-10}{-8}$$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $6.3 = 9.7 + 3.3x$ $6.3 - 9.7 = 9.7 - 9.7 + 3.3x$ $-3.4 = 3.3x$ $x = \dfrac{-3.4}{3.3}$	I subtracted 1.8x from both sides then subtracted 9.7 from both sides to get -3.4 = 3.3x and that was my answer.

Unit 18 Form B

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$-13.8 + 6.3x = 21.1x + (-5.9)$

$-13.8 = 14.8x + (-5.9)$

$-19.7 = 14.8x$

$x = \dfrac{-19.7}{14.8x}$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $8.2 = -2.4y + (-11.6)$ $19.8 = -2.4y$ $y = -8.25$	I subtracted y from -3.4y & got -2.4y. then I added 11.6 to both side & got $19.8 = -2.4y$ then got $y = -8.25$

Unit 18 Form B

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

c71bRSy

CWCTC
prt —
Evkovich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$9 + \cancel{-9} + 2y = 4 - 9$

$2 \quad -5 \quad 2\overline{)-5}$
$\phantom{2\overline{)}} \quad \frac{4}{-1}$

$2\frac{1}{2} = 4$

I subtracted 9 from both sides & divided 5 ÷ 2.

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$-3 + 6$

$\frac{x}{-4} \quad 3$

$\frac{x}{-4} \cdot -4 \cdot 3$

$\boxed{-12 = x}$

I added 6 to both sides & multiplied -4 + 3.

3) Solve for *x*:

$$2x + 5x = 6 - 5$$

$$2x \quad 1$$

$$1 = x$$

4) Solve for *y*:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y-7=5+6y$ $7+5=12$ $4y+12=+6y$ $12+6y$ $4\overline{)184}$ $\dfrac{16}{2}$ $\dfrac{12}{4}$	add $7+5=12$ $4y+12+6y$ Then you add 12 get 18 divide 18 by 4

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

$7 + (-8y) = -3 + 2y$

$7 + 3$

4

$4 + 8y = +2y + 8y = 10$

$+2y = 6$

$2.5 = y$

$4 \overline{)10}$ .5

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
6.3 + 9.7 16.0	add 6.3 + 9.7

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$$-13.8x$$
$$+5.9$$
$$19.7$$

$$21.1$$
$$6.3$$
$$+27.4$$

$$19.7 \quad +27.4$$

$$27.4$$
$$19.7$$
$$\overline{7.1}$$
$$47.1$$

$$\boxed{47.1 = x}$$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why
~~15.0~~ 19.8 23.2 = 4	add 11.6 + 8.2

$$19.8$$
$$3.4$$
$$2.59$$

$$-11.6 \quad 11.6 \quad 3.4$$
$$-3.4 \quad +8.2$$
$$\overline{15.0} \quad \overline{19.8}$$

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTZ
pre —
Evlcovick pvd.1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$$9 + 2y = 4$$
$$-9 \qquad -9$$
$$\frac{2y}{2} = \frac{-5}{2}$$

$$\boxed{-2.5 = y}$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$$\frac{x}{-4} + 6 = -3$$
$$-6 \quad -6$$

$$\frac{x}{-4} \times 4 \qquad 3$$

$$\boxed{x = 2}$$

3) Solve for x:

$$2x + 5x = 6$$

$2x + 5x = 6$

$7x = 6$

$\frac{7}{7} \quad 7$

$x = 1.16$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $+7 \quad -7$ $\overline{}$ $4y = -2 + 6y$ $\quad + 2$ $\overline{}$ $\frac{6y}{6} \qquad \frac{6y}{6}$ $0 = y$	- Add 7 to each side - Then

5) Solve for y:

$7 + (-8y) = -3 + 2y$

$$7 + (-8y) \quad -3 + 2y$$
$$+8 \qquad\qquad +9$$

$$-7 + y = 3 + 10y$$
$$-7 \qquad -7$$

$$y = -10$$

6) Solve for x:

$-1.8x + 6.3 = 9.7 + 5.1x$

Show your work here	For each step, explain why
$-1.8x = 9 + 5.1x$ $6.3 \quad -6.3$ $-1.8x = 3.4 + 5.1x$ $+1.8$ $x = 3.4 + 6.9$?	

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$$-13.8 + 6.3 : 21.1x + (5.9)$$
$$+13.8 \qquad\qquad\qquad\qquad + 13.8$$
$$\overline{\rule{5cm}{0.4pt}}$$
$$\frac{6.3x}{6.3} = \frac{21.1x}{6.5} \quad 7.9$$

$$x = 3.34 + 7.9$$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

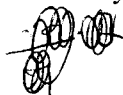$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTZ
Pre —
tvkovick pvol.1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$$2x + 5x = 6$$

$-5 \quad -5$

$x = 1$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$x = 11$	

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

-8 $-2 \cdot 2$

-1 -1

$y = -1$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

-1.8 5.1

3.5 4.6

Show your work here	For each step, explain why
$x = 5.5$	

7) Solve for *x*:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

$$\frac{-6.3}{-13.5} \qquad \frac{-21.1}{-24.8}$$
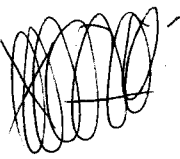
$$X = -13.5$$

8) Solve for *y*:

$$y + 8.2 = -3.4y + (-11.6)$$

$$11.4 \qquad \frac{3.4}{13.4}$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

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

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTZ
Pnc —
Evkovick prd·1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$
$$-9 \qquad -9$$
$$\frac{2y}{2} = \frac{-5}{2}$$
$$y = -2.5$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$-6 \quad -6$$
$$\frac{x}{-4} = \frac{-9}{-4}$$
$$\cdot -4 \qquad \cdot -4$$
$$y = 36$$

3) Solve for *x*:

$$2x + 5x = 6$$

$$7x = 6$$

4) Solve for *y*:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$-7 = 5 + 2y$ $-5 \quad -5$ $\dfrac{-13}{2} = \dfrac{2y}{2}$ -6.5	Combine x's subtract to undo addition Divide to undo multiplication

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

$$\underset{-7}{7} + (-6y) = \underset{-7}{-3}$$

$$\frac{-6y}{-6} = \frac{-10}{-6}$$

$$y = 1.4$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$6.3 = 9.7 + 3.1x$ -9.7 $\dfrac{-3.4}{3.1} = \dfrac{3.1x}{3.1}$ $.3 = x$	combine x's use inverse multiplication

7) Solve for x:

$-13.8 + 6.3x = 21.1x + (-5.9)$

$$13.8 = -27.4x + {}^-5.9$$
$$\underline{-5.9 \qquad\qquad -{}^-5.9}$$
$$\underline{7.9} = \underline{27.4X}$$
$$27.4 \quad 27.4$$

$$x = 5$$

8) Solve for y:

$y + 8.2 = -3.4y + (-11.6)$

Show your work here	For each step, explain why
$8.2 = -2.4y + (-11.6)$ ${}^-11.6 \qquad\qquad -11.6$ $\dfrac{-3.4}{-2.4} = \dfrac{-2.4y}{-2.4}$ 1.1	combine subtract to undo addition divide to undo mult.

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

-8

(handwritten):

8

$\dfrac{3x \cancel{+} 7}{3} = \dfrac{-20x}{3}$

6.3

$x = $ (illegible)

10) Solve for x:

$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

(handwritten):

$5.2x + 21.1 = -7.2x + 15.8$

$5.2x + 21.1 = 7$

Unit 18 Form B

F713eQN

Wctz
pre —
Vukovich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$
$$-9 \quad -9$$

$$\frac{9 + y = 2}{2} \quad \frac{2}{2}$$

$$y = 4$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$-6 \quad -6$$

$$\frac{x}{-4} + 6 = 3$$
$$\times 4 \qquad \times 4$$
$$x \, 4$$

$$x = 12$$

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

$x = 1$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why
$4y + ^-7 = 5 + 6y$ $10y + ^-7 = 5$ $\underline{+7 \quad +7}$ $\dfrac{10y + 12}{2} \quad \dfrac{}{2}$ $y = 6$	first i added the y's together, then i added 7 to both sides, then i divided by 2 and get my answer

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

$+8 \quad +8$

$7 + y = 11 + 2y$

$-11 \quad -11$

$7 + y = -9y$

$y = 14$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8 \quad +1.8$ $y = 8.1 = 9.7 + 5.1x$ $-5.1 \qquad -5.1$ $x = 8.1 = 9.7 + \cancel{x}$ $-3.1 \quad 3.1$ $\overline{\qquad 6 \quad 6}$ $x = 6.4$	First i added 1.8 to both sides, than i subtracted 5.1 from both sides. than i subtracted 3.1 from both sides and got my answer.

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why
$Y + 8.2 = -3.4 + (-11.6)$ $-8.2 \quad -8.2$ $Y + = 5.2 + ^-11.6$ $-5.2 \quad 5.2$ $\cancel{Y(2)}$ $Y = 6.4$	first i subtracted 8.2 from both sides, than i subtracted 5.2 from both sides and got my answer

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTC
pre —
Evlevich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

3) Solve for x:

$2x + 5x = 6$

$2x + x = 1$

4) Solve for y:

$4y + (-7) = 5 + 6y$

Show your work here	For each step, explain why

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:
$$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$$

CWCTZ
pre —
Evkovich pvd.1

Unit 18 Review of Linear Equations – Form B

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

$$9 + 2y = 4$$

$$-9 \qquad -9$$

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

$$y = 1.25$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$

$$-6 \qquad -6$$

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

$$\frac{x}{-4} \times 11 \times 4$$

$$x = 12$$

3) Solve for x:

$$2x + 5x = 6$$

$$-5 \quad -5$$

$$\frac{2x}{2} = \frac{1}{2}$$

$$x = 1$$

4) Solve for y:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $-7 \qquad -5$ $4y + 1 = 4y + 1$ $\quad -1 \quad -1$ $\frac{4y}{4} = \frac{3}{4}$ $y = 1$	I subracted from both sides to get 1.

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

6y+7+ 3

-3

6 /+7

·)

5=y

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
4,8y+6.3 9.7 -6.3 -6.3 4.8y 3.1 —— —— 11.8 11.8 X 1.34	Subtracted 6.3 from both sides to y+ 3.4. Then divided by 4.8 to get 1.34

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:

$$\frac{3x+8}{7} = -12x$$

$5x = 12$ (?)

$\frac{5x}{5} = \frac{49}{5}$

$x = 36$

10) Solve for x:

$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$

i0PeR6q

CWCTC
pre —
Evkovich prd. 1

Unit 18 Review of Linear Equations – Form B

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

$$-9 + 2y = 4$$
$$-9 \quad -9$$

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

$$y = -2.5$$

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$-6 \quad -6$$

$$-4 \times \frac{x}{-4} = -9 \times -4$$

$$x = 36$$

3) Solve for *x*:

$$2x + 5x = 6$$

$$\frac{7x}{7} = \frac{6}{7}$$

$$x = \frac{6}{7}$$

4) Solve for *y*:

$$4y + (-7) = 5 + 6y$$

Show your work here	For each step, explain why
$4y + -(7) = 5 + 6y$ $\begin{array}{r} -7 = 5 + 10y \\ -5 \quad -5 \end{array}$ $\dfrac{-13}{10} = \dfrac{10y}{10}$ $y = -1.3$	1- equation 2- add 4y +6y &get 10y 3- subtracts 5 4- divide by 10

Unit 18 Form B

5) Solve for y:

$$7 + (-8y) = -3 + 2y$$

$7 = -6y + -3$

$+3 \qquad\qquad +3$

$\dfrac{10}{-6} = \dfrac{-6y}{-6}$

$Y = 1.6667$

6) Solve for x:

$$-1.8x + 6.3 = 9.7 + 5.1x$$

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$	1- equation
$6.3 = 9.7 + 3.3x$ $-9.7 \quad -9.7$	2- add $-1.8x + 5.1$ 3- ... 7 from 6 3 4 - a...
$\dfrac{-3.4}{3.3} = \dfrac{3.3x}{3.3}$	
$x = \dfrac{-3.4}{3.3}$	

7) Solve for x:

$$-13.8 + 6.3x = 21.1x + (-5.9)$$

8) Solve for y:

$$y + 8.2 = -3.4y + (-11.6)$$

Show your work here	For each step, explain why

9) Solve for x:
$$\frac{3x+8}{7} = -12x$$

10) Solve for x:

$12.6x + 21.1 + (-7.4x) = -9.2x + 15.8$