Evkovich. Prd. 2

Rot.

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

$9 + 2y = 4$

$-9 \quad -9$

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

$y = 2.4$

2) Solve for x:

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

$-6 \quad -6$

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

$\times -4 \quad \times -4$

$x = 36$

3) Solve for x:

$2x + 5x = 6$

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

$x = -1.5$

4) Solve for y:

~~$4y$~~ $+ (-7) = 5 + 6y$
$-4y \quad\quad\quad -6y$

Show your work here	For each step, explain why
$(-7) = -2 + 2y$ $-5 \quad -5$ -7 $\frac{(-14)}{2} = \frac{(-2y)}{2y}$ $y = 6$	I added the (Ys) so I wa left with them together than I subtracted the 5 so y was by itself then I divided by 2 to Get 6

5) Solve for y:

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

$-2y \quad -2y$

$7 + -10y = -3$

$-7 \quad -7$

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

$y = 1$

6) Solve for x:

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

$+1.8x \quad +1.8x$

Show your work here	For each step, explain why
$6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $\frac{-3.6}{6.9} = \frac{6.9x}{6.9}$ $-1.3 = x$	

7) Solve for x:

$-13.8 + 6.3x = 2.1x + (-5.9)$

$-6.3x \quad -3.6x$

$-3.8 = 14.8x + (-5.9)$

$+5.9 \quad +5.9$

$\frac{9.7x}{9.7} = \frac{14.8}{9.7}$

$1.3x$

8) Solve for y:

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

$+3.4y$

Show your work here	For each step, explain why
$4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} \quad \frac{-3.4}{4.4}$ $-1y$	

9) Solve for x:

$$\frac{3x+8}{7} = -\frac{1}{2}x$$

$3x + 8 = -1x$

$-8 \quad -8$

$3x \quad -9$

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

$-3 = x$

10) Solve for x:

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

$5.2x + 21.1 = -9.2x + 15.8$

$+9.2x \quad +9.2x$

$14.4x + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{14.4x}{14.4} = \frac{-5.3}{14.4}$

$x = -0.37$

Carnegie Learning
THE COGNITIVE TUTOR COMPANY

nag5fy8

Evkovich. Prd. 2

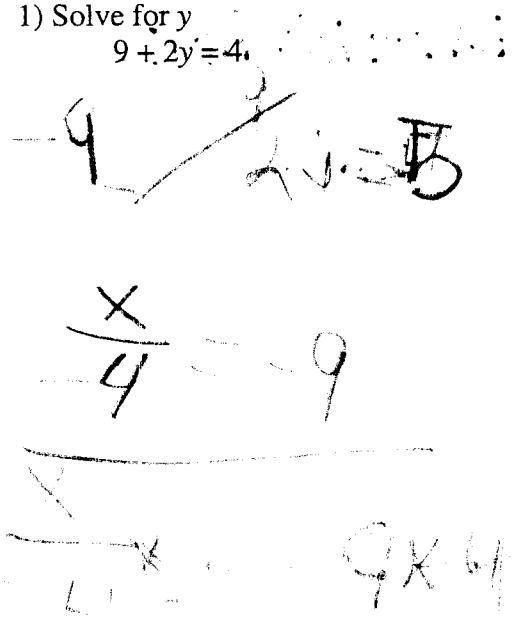
Rot.

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:

$2x + 5x = 6$

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
1.6x	

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:

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

Evkovich. Prd. 2

Rot.

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

$9 + 2y = 4$

$-9 \quad -9$

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

$y = 2.$

2) Solve for x:

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

$-6 \quad -6$

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

$x = -36$

3) Solve for x:

$2x + 5x = 6$

$+2 \quad +2$

$7x = 6$

$\frac{7}{7} \quad \frac{6}{7}$

$x =$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $*-1 \quad *-1$ $(-7) = 5 + 2y$ $-5 \quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $-6 = y$	

5) Solve for y:

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

$+8 \quad +8$

$7 = -3 + 10y$

$+3 \quad +3$

$10 = 10y$

$\frac{10}{10} \quad \frac{10}{10}$

$1 = y$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8x \quad +1.8x$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $-3.4 = 6.9x$ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$ $-.5 = x$	

7) Solve for x:

$-13.8 + 6.3x = 7.1x + (-5.9)$

$-6.3x \quad -6.3x$

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

$+5.9 \qquad +5.9$

$-7.9 = 13.8x$

$\frac{-7.9}{13.8} \quad \frac{13.8x}{13.8}$

$= x$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4y \qquad +3.4y$ $4.4y + 8.2 = (-11.6)$ $-8.2 \quad -8.2$ $4.4y = -19.8$ $\frac{4.4y}{4.4} \quad \frac{-19.8}{4.4}$ $y =$	

12
x 7
84

9) Solve for x:

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

$3x+8 = -84x$

$+84 \quad +84$

$87x+8=0$

$-8 \quad -8$

$87x = -8$

$x =$

10) Solve for x:

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

$+9.2 \quad +9.2$

$21.8x + 21.1 + (-7.4x) = 15.8$

$+7.4 \quad +7.4$

$29.2 + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{29.2x}{29.2} = \frac{-14.7}{29.2}$

$x = -$

Carnegie Learning
THE COGNITIVE TUTOR® COMPANY

z3GhRzh

Erkovich. Prd. 2

Rot.

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.

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

2) Solve for x:

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

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
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $-7 = 5 + 2y$ $-5 \quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $-6 = y$	subtract 4y from both sides subtract 5 from both sides divide both sides by 2 ending with $y = -6$

5) Solve for y:

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

$-2y \quad -2y$

$7 + -10y = -3$

$-7 \quad -7$

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

$y = 1$

6) Solve for x:

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

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

7) Solve for x:

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

$-6.3x \quad -6.3x$

$-13.8 = 14.8x + -5.9$

$+5.9 \qquad +5.9$

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

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

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + -11.6$ $+3.4y \qquad +3.4y$ $4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$ $y = \frac{-19.8}{4.4}$	

9) Solve for x:

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

$3x + 8 = -12x \cdot 7$

$+12x \quad +12x$

$15x + 8 = 7$

$-8 \quad -8$

$\frac{15x}{15} = \frac{-1}{15}$

$x = \frac{-1}{15}$

10) Solve for x:

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

$+-7.4x$

$.2x + 21.1 = -9.2x + 15.8$

$+9.2x \quad +9.2x$

$14.4x + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{14.4x}{14.4} = \frac{-5.3}{14.4}$

$x = \frac{-5.3}{14.4}$

EVkovich. Prd. 2

Dat.

Student Absent

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:

$2x + 5x = 6$

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:

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

Carnegie Learning
THE COGNITIVE TUTOR COMPANY

E2c6E5k

Erkovich. Prd. 2

Dot.

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

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

2) Solve for x:

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

3) Solve for x:

$2x + 5x = 6$

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

$x = 8.\overline{57}$

$7\overline{)6.00}$

$-\frac{5\,11}{60}$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $(-7) = 5 + 2y$ $-5 \quad\quad -5$ $\frac{-7}{12} \quad \frac{2y}{12}$ $3\overline{)7}$ $7\overline{)10}$	

5) Solve for y:

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

$-2y \quad -2y$

$7 - 10y = -3$

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

$y = 1$

6) Solve for x:

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

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

7) Solve for x:

$-13.8 + 6.3x = 8.1x + (-5.9)$

$-6.3x \quad -6.3x$

$-13.8 = 14.8x + -5.9$

$+5.4 \quad +5.9$

$-19.7 = 14.8$

$14.8 \quad 14.8$

1.33

$14.8 \overline{)19.70}$

148

490

444

460

444

16

$x = 1.33$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4y \quad +3.4y$ $4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$ $y = -4.5$ $4.4 \overline{)19.8}$ 176 220 220 0	

9) Solve for x:

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

$21x + 8 = -84x$

$8 = -63x$

$63 \overline{)8.00}$ → 1.26

$63 \times 2 = 126$

$x = .126$

10) Solve for x:

$12.6x + 21.1 + (-7.4x) = -9.12x + 15.8$

$12.6x + 21.1 = 1.8x + 15.8$

$-15.8 \quad -15.8$

$12.6x + 5.3 = 1.8x$

$\frac{12.6 + 5.3}{8} \quad \frac{.8x}{8}$

$8 \overline{)5.13.0}$ → $.70$

$x = 6.85$

Evkovich. Prd. 2

Rod.

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:

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

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$-6 \quad -6$$
$$\frac{x}{-4} = -9(-4)$$
$$x = 36$$

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
[illegible] $4y - 4y + (-7) = 5 + 2y$	Substract 4y from both sides
$(-7) - 5 = 5 - 5\ 2y$	Substract 5
$\frac{-12}{2} = \frac{2y}{2}$	Divide both sides by 2
$-y = -6$	Answer

5) Solve for y:

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

$-2y \quad -2y$

$7 + 10y = 3$

$-7 \quad -7$

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

$y = -1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 1.8x + 6.3 = 9.7 + 5.1x + 1.8x$	Add 1.8x to both sides
$6.3 - 9.7 = 9.7 - 9.7 + 6.3$	Sub. 9.7
$x = 6.9$	

7) Solve for x:

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

$-6.3x \quad -6.3x$

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

$+(5.9) \quad -(5.9)$

$\frac{7.9}{14.8} = \frac{14.8x}{14.8}$

$\frac{7.9}{14.8} = x$

8) Solve for y:

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

Show your work here	For each step, explain why
$3.4y + 8.2 = -11.6$	Add $3.4y$ to both sides
$3.4y = -3.4$	Subtract 8.2
$\frac{3.4y}{3.4} \quad \frac{-3.4}{3.4}$	Divide by 3.4
$y = 1$	

9) Solve for x:

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

$3x + 8 = -84$

$-8 \quad -8$

$\frac{3x}{3} = \frac{76}{3}$

$x = 3\frac{1}{3}$

10) Solve for x:

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

$20x + 21.1 = -9.2x + 15.8$

$+9.2x \qquad +9.2x$

$21.1 = 7.2x + 15.8$

$-15.8 \qquad -15.8$

$\frac{5.3}{7.2} = \frac{7.2x}{7.2}$

$\frac{5.3}{7.2} = x$

Carnegie Learning
THE COGNITIVE TUTOR® COMPANY

udA9670

Erkovich. Prd. 2

Rot.

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:

$2x + 5x = 6$

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:

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

Evkovich. Pd. 2

Ret.

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:

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

$-6 \quad -6$

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

$$x = 36$$

3) Solve for x:

$2x + 5x = 6$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $(-7) = 5 + 2y$ $-5 \quad\quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $-6 = y$	Subtract 4y Subtract 5 divide by 2

5) Solve for y:

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

$-2y \quad -2y$

$7 + -10y = -3$

$-7 \quad -7$

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

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8x \quad +1.8x$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $= 6.9x$	Add 1.8x Subtract 9.7

7) Solve for x:

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

$-6.3x \quad -6.3x$

$-13.8 + 3.7x + (-5.9)$

$-5.9 \quad -5.9$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4 \quad +3.4$ $3.4y + 8.2 = (-11.6)$ $-8.2 \quad -8.2$ $3.4y = \frac{-21}{3.4}$	

9) Solve for x:

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

10) Solve for x:

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

Evlovich. Rd. 2
Rot.

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:

$2x + 5x = 6$

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:

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

Erborich. Prd. 2
Rot.

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

$$9 + 2y = 4$$

$-9 \quad -9$

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

$y = -5/2$

2) Solve for x:

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

$-6 \quad -6$

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

$x = 36$

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
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $-7 = 5 + 2y$ $-5 \quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $-3 = y$	to get rid of the 4y to get divide to get the answer

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
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8x \quad +1.8x$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $-3.4 = 6.9x$ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$	

9.7
6.3

$\frac{3.4}{6.9} = x$

7) Solve for x:

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

$-6.3 \quad -6.3$

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

$+5.9 \quad +5.9$

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

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

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4y \quad +3.4y$ $4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$	

$y = \frac{-19.8}{4.4}$

9) Solve for x:

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

$21x + 56 = 12x$

$-21 \quad -21$

$\frac{56}{a} = \frac{1}{a}$

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

10) Solve for x:

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

$5.2x + 21.1 = -9.2x + 15.8$

$-5.2x \quad -5.2x$

$21.2 = -14.4x - 5.8$

$-15.8 \quad -15.8$

$\frac{5.4}{14.4} = \frac{-14.4x}{14.4}$ $\quad -\frac{11}{14.4} = x$

Evkovich. Prd. 2

Dot.

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

$$9 + 2y = 4$$

$$-9 \quad -9$$

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

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

2) Solve for x:

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

$$-6 \quad -6$$

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

$$x = 36$$

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
$-4y + (-7) = 5 + 6y - 4y$ $-7 = 5 + 2y$ $\frac{-12}{2} = \frac{2y}{2}$ $-6 = y$	Subtract 4 from both sides subtract 5 from both sides

5) Solve for y:

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

$+8y \quad +8y$

$7 = -3 + 10y$

$+3 \quad +3$

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

$1 = y$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8 \quad +1.8$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $-17.0 = 6.9x$	

7) Solve for x:

$-13.8 + 6.3x = 8.1x + (-5.9)$

$-6.3 \quad -6.3$

$-13.5 = 14.8x + -5.9$

$+5.9 \quad +5.9$

$\frac{12.1}{14.8} = \frac{14.8x}{14.8}$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4 \quad +3.4$ $4.4y + 8.2 = -11.6$ $-8.2 \quad -8.2$ $\frac{4.4y}{4.4} = \frac{-19.8}{4.4}$ $y = -4.5$	

9) Solve for x:

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

$\times 7$

$3x + 8 = -84x$

$-3 \quad -3$

$\frac{8 = -87x}{-87} \quad \frac{}{-87}$

$x = \frac{8}{-87}$

10) Solve for x:

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

$+7.4 \quad +7.4$

$12.6x + 21.1 = -1.8x + 15.8$

$+1.8x \quad +1.8x$

$14.4x + 21.1 = 15.8$

$-21.1 \quad -21.1$

$\frac{14.4x = -5.3}{14.4} \quad \frac{}{14.4}$

$x = \frac{-5.3}{14.4}$

Evkovich. Prd. 2

Rot.

Student Absent.

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:

$2x + 5x = 6$

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:

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

Erkarich. Prd. 2

Dat.

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

$9 + 2y = 4$

$-9 \quad -9$

$2y = -5$

$y = -2.5$

2) Solve for x:

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

$-6 \quad -6$

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

$x = 36$

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
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $(-7) = 5 + 2y$	

5) Solve for y:

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

$-2y \quad -2y$

$7 + (-10y) = -3$

$-7 \quad -7$

$-10y = -10$

$y = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-1.8x \quad -1.8x$ $6.3 = 9.7 + 3.3x$ $-9.7 \quad -9.7$ $\frac{-3.4}{3.3} = \frac{3.3x}{3.3}$ $-1 = x$	

7) Solve for x:

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

$-6.3x$

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

$+5.9$ $+5.9$

$8.9 = 14.8x$

8) Solve for y:

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

Show your work here	For each step, explain why
$y + 8.2 = -3.4y + (-11.6)$ $+3.4y$ $+3.4y$ $3.5y + 8.2 = (-11.6)$ -8.2 -8.2 $3.5y = -19.8$	

9) Solve for x:

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

$3x+8 = -84x$

10) Solve for x:

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

Carnegie Learning
THE COGNITIVE TUTOR® COMPANY

4gcLyqe

Evilovich. Prd. 2

Rel.

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:

$2x + 5x = 6$

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

$x = 0.85$

4) Solve for y:

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

Show your work here	For each step, explain why
$-4y \quad -4y$ $-7 = 5 + 2y$ $-2 \quad -2$ $-12 = 2y$ $\frac{-12}{2} = \frac{2y}{2}$ $y = -6$	subtract 4y subtract 2

5) Solve for y:

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

$7 + (-10y) = -3$

$-10y = -10$

$y = -20$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x \quad +1.8x$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$	Add $1.8x$ to both

7) Solve for x:

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

$-6.3x \qquad -6.3x$

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

$+5.9 \qquad +5.9$

$-7.9 = 14.8x$

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

$-0.53 = x$

8) Solve for y:

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

Show your work here	For each step, explain why
$+3.4y \qquad +3.4y$ $4.4y + 8.2 = (-11.6)$ $-8.2 \qquad -8.2$ $4.4y$	Add $3.4y$

9) Solve for x:

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

$3x + 8 = -84x$

$+3x \quad -3x$

$8 = -81x$

$-81 \quad -81$

$\frac{8}{-81} = -73$

10) Solve for x:

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

Evkovich. Prd. 2

Rot.

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:

$2x + 5x = 6$

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

4) Solve for y:

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

Show your work here	For each step, explain why
$4y - 7 = 5 + 6y$ $-6y \quad\quad -6y$ $-7 = 5 + 2y$ $-5 \quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $-6 = y$	

5) Solve for y:

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

$7 - 8y = -3$

$-7 \quad -7$

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

$y = 1$

6) Solve for x:

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

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

7) Solve for x:

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

-63

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

$7.9 =$

8) Solve for y:

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

Show your work here	For each step, explain why
$3.4y + 8.2 = 11.6$ -8.2 $3.4y = 4.4$ 3.4	

9) Solve for x:

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

$3x + 8 = -84x$

$-3x \quad\quad -3x$

$\frac{8}{87} = \frac{-87x}{87}$

10) Solve for x:

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

$5.2x + 21.1 = -9.2x + 15.8$

$-15.8 \quad\quad -15.8$

5.3

$5.2x + 5.3 = -9.2x$

$-5.2 \quad\quad 5.2$

$\frac{5.3}{14.4} \quad \frac{14.4x}{14.4}$