Unit 18 Review of Linear Equations – Form B

Login: [redacted]

School: Wilkinsburg High School

Teacher: Mr. Otero

Period: 2nd

Date: May 2014

Test (circle): **Pre-Test** **Post-Test** **Retention Test**

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Unit 18 Review of Linear Equations – Form B

You have 15 minutes to answer [redacted] you can't answer all the questions. Please [redacted] you to explain, please explain your answer in plain English.

1) Solve for y

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

First I had subtract 9 on both side then I had divided 2 on both and got my answer

2) Solve for x:

$$-4 \cdot \frac{x}{-4} + 6 = -3 \cdot -4$$
$$x + 6 = 12$$
$$-6 \quad -6$$
$$-x = 6$$

First I had multiply on both sides then I had subtract by 6 then got my answer

3) Solve for x:

$2x + 5x = 6$

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

$x = 0.8571$

I had add both of the x values to get one answer then divided on both sides to get my answer

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $-4y \quad\quad -4y$ $-7 = 5 + 2y$ $-5 \quad\quad -5$ $\frac{-12}{2} = \frac{2y}{2}$ $y = -6$	First I had subtract -4y on both sides then subtract 5 on both sides then divide to get my answer

5) Solve for y:

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

$+8y \quad +8y$

$7 = -3 + 10y$

$+3 \quad +3$

$10 = 10$

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

$1 = 1$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $+1.8x \quad +1.8x$ $6.3 = 9.7 + 6.9x$ $-9.7 \quad -9.7$ $-3.4 = 6.9x$ $\frac{-3.4}{6.9} = \frac{6.9x}{6.9}$ $y = -0.4927$	I added [illegible] then divided 6.9x on both sides from opp [illegible]

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:

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

$3x + 8 = -84x$

$-3 \quad\quad -3$

$\frac{8}{21} \quad \frac{-84x}{-84}$

$x = 0.0952$

10) Solve for x:

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

Unit 18 Review of Linear Equations – Form B

Login: Carnegie Learning THE COGNITIVE TUTOR COMPANY **D49Uk8t** [redacted]

School: Wilkinsburg High School

Teacher: Mr. Olena

Period: 5

Date: 5/2/07

Test (circle): **Pre-Test** **Post-Test** **Retention Test**

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

$9 + 2y = 4$

$-4 \quad -4$

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

$y = -2.5$

2) Solve for x:

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

$-6 \quad -6$

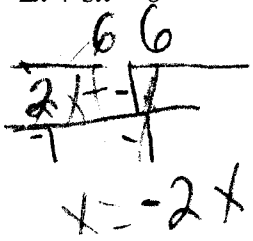
$\frac{x}{-4} = -9$

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

$x = 36$

3) Solve for x:

$2x + 5x = 6$



4) Solve for y:

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

Show your work here	For each step, explain why
$4y+(-7)=5+6y$ $-28y=5+6y$	Distribute Subtract both sides

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:

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

Unit 18 Review of Linear Equations – Form B

Carnegie Learning
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Login: lhWq6e2

School: WHS

Teacher: Mr. Otieno

Period: 5th

Date: May 2, 2007

Test (circle): Pre-Test Post-Test Retention Test

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

$9x + 2y = 4$

$-9x \quad -9x$

$2y = -5$

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

$y = -2.5$

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:

$2x + 5x = 6$

$-5 \quad -5$

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

$x = \frac{2}{3}$

4) Solve for y:

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

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

5) Solve for y:

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

$-8 \quad -8$

$7 = -3 + -64$

$-3 \quad -3$

$\frac{7}{-3} = \frac{-34}{-3}$

$y = 2.3333$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-6.3 \quad -6.3$ $-1.8x = 9.7 + 1.2x$ $-1.8 \quad -1.8$ $9.7 + 0.6x$	

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:

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

Unit 18 Review of Linear Equations – Form B

Carnegie Learning
THE COGNITIVE TUTOR® COMPANY

Login: 64e9hEp

School: WHS

Teacher: Mr. Otieno

Period: 5th

Date: May 2, 2007

Test (circle): Pre-Test **Post-Test** Retention Test

Unit 18 Review of Linear Equations – Form B

You have 15 minutes to [redacted] questions [redacted]. 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

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

2) Solve for x:

$$\frac{x}{-4} + 6 = -3$$
$$4x + 6 = -3$$
$$-6 \quad -6$$
$$4x = -9$$
$$\frac{4x}{4} = \frac{-9}{4}$$
$$x = -2.25$$

3) Solve for x:

$2x + 5x = 6$

$-5x \quad -5x$

$2x = 1x$

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

$x = 0.5$

4) Solve for y:

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

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

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:

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

Unit 18 Review of Linear Equations – Form B

Carnegie Learning
THE COGNITIVE TUTOR® COMPANY

Login: zy490Z3

School: Wilkinsburg High School

Teacher: Mr. Otieno

Period: 5th

Date: May 2nd 2007

Test (circle): Pre-Test **Post-Test** Retention Test

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. If the question asks you to explain, please explain your answer in plain English.

1) Solve for y

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

2) Solve for x:

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

3) Solve for x:

$2x + 5x = 6$

$7x = 6$

$x = 0.85$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + (-7) = 5 + 6y$ $+7 \quad +7$ $4y = 5 + 13y$ $-13y \quad -13y$ $-9y = 5$ $-9 \quad -9$ $y = -1.8$	First i got rid of -7 to get the variable by itself on the left side. Then, got rid of five to get the variable by itself on the right side then i subtracted the variable from both sides to just get 1 varible. Finally i clivided to get the value of x

5) Solve for y:

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

$-7 \quad -7$

$-8y = -10 + 2y$

$-2 \quad -2$

$-10y = -10$

$-10 \quad -10$

$y = -20$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-6.3 \quad -6.3$ $-1.8x = 9.7 + 12x$ $-12 \quad -12$ $13.8x = 9.7$ $13.8 \quad 13.8$ $x = 1.42$	First I got rid of 6.3 to get the variable on the left side by itself, Then I subtracted the variable on the right side on both sides to get 1 variable Then I divided to find the value of x.

7) Solve for x:

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

$-13.8 \quad\quad 13.8$

$6.3x = 7.3x + (-5.9)$

$-7.3 \quad\quad -7.3$

$-1x = -5.9$

$-1 \quad\quad -1$

$x = 5.9$

8) Solve for y:

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

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

9) Solve for x:

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

10) Solve for x:

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

Unit 18 Review of Linear Equations – Form B

Login: Carnegie Learning THE COGNITIVE TUTOR COMPANY **zzH0oV0** _____

School: Williamsburg high School

Teacher: Mr Otieno

Period: 5

Date: 5-2-07

Test (circle): **Pre-Test** **Post-Test** **Retention Test**

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.

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$$9 + 2y = 4$$

$$-9 \quad -9$$

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

$$y = -2.5$$

2) Solve for x:

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

$$-4x + 6 = 12$$

$$-6 \quad -6$$

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

$$x = -1.5$$

3) Solve for x:

$2x + 5x = 6$

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

$x = 0.857$

4) Solve for y:

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

Show your work here	For each step, explain why
$4y + -7 = 5 + 6y$ $+7 \quad +7$ $4y = 12 + 6y$ $-6y \quad -6y$ $-2y = 12$ $\frac{-2y}{-2} = \frac{12}{-2}$ $y = -6$	have to get rid of the negative 7 have to get rid of the 6y because Divide by -2 on both sides so you have y by itself.

5) Solve for y:

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

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

$-8y = -18 + 2y$
$-2y \quad\quad -2y$

$\frac{-10y}{-10} = \frac{-18}{-10}$

$y = 1.8$

6) Solve for x:

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

Show your work here	For each step, explain why
$-1.8x + 6.3 = 9.7 + 5.1x$ $-6.3 \quad\quad -6.3$ $-1.8x = 3.4 + 5.1x$ $-5.1x \quad\quad -5.1x$ $-3.3x = 3.4$ $\frac{-3.3x}{-3.3} = \frac{3.4}{-3.3}$ $x = 1.030303...$	Have to get rid of the 6.3 Have get rid of the variable on the right. Divide -3.3 by both sides to get the number with just a variable

7) Solve for x:

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

$-13.8 \qquad -13.8$

$6.3x = 21.1x + (-19.7)$

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:

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