Total points = 94

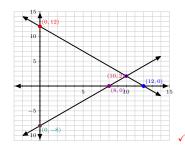




 $x - y = 8 \checkmark$

$$x + y = 12$$
 \checkmark
 $x + 0 = 12$ \checkmark
 $x = 12$ \checkmark





2.
$$3x + 6y = 4$$
 \checkmark $3x + 6(0) = 4$ \checkmark $\frac{3x}{3} = \frac{4}{3}$ \checkmark

$$\frac{3}{3} = \frac{3}{3}$$

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

$$a = \frac{4}{3}$$

$$3(0) + 6y = 4$$

$$a = \frac{4}{3} \checkmark$$

$$3(0) + 6y = 4 \checkmark$$

$$\frac{6y}{6} = \frac{4}{6} \checkmark$$

$$y = \frac{2}{3} \checkmark$$

$$b = \frac{2}{3} \checkmark$$

$$6x + 12y = 8 \checkmark$$

$$6x + 12(0) = 8 \checkmark$$

$$\frac{6x}{6} = \frac{8}{6} \checkmark$$

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

$$a = \frac{4}{3} \checkmark$$

$$6(0) + 12y = 8 \checkmark$$

$$\frac{12y}{12} = \frac{8}{12} \checkmark$$

$$y = \frac{2}{3} \checkmark$$

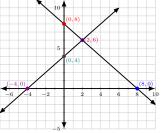
$$b = \frac{2}{3} \checkmark$$

x - 0 = 8

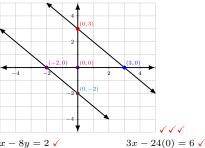
 $x - 0 = 8 \checkmark$ $x = 8 \checkmark$ $a = 8 \checkmark$ $0 - y = 8 \checkmark$ $-y = 8 \checkmark$ $y = -8 \checkmark$ $b = -8 \checkmark$

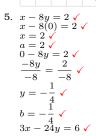






4. $x + y = 3 \checkmark$ $x + 0 = 3 \checkmark$ $x = 3 \checkmark$ $a = 3 \checkmark$ $0 + y = 3 \checkmark$ $y = 3 \checkmark$ $b = 3 \checkmark$ x + y = -2





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

$$x = 2 \checkmark$$

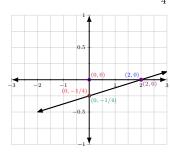
$$a = 2 \checkmark$$

$$3(0) - 24y = 6 \checkmark$$

$$\frac{-24y}{-24} = \frac{6}{-24} \checkmark$$

$$y = -\frac{1}{4} \checkmark$$

$$b = -\frac{1}{4} \checkmark$$



Activity 1.8.1: Graphing Systems of Linear Equations

 $x + 0 = -2 \checkmark$ $x = -2 \checkmark$ $a = -2 \checkmark$

 $0 + y = -2 \checkmark$ $y = -2 \checkmark$ $b = -2 \checkmark$

 $\begin{array}{c} -4 = x - 0 \checkmark \\ -4 = x \checkmark \\ a = -4 \checkmark \end{array}$

 $\begin{array}{l} a = -4 \checkmark \\ -4 = 0 - y \checkmark \\ -1 \left[-4 = -y \right] \checkmark \\ y = 4 \checkmark \\ b = 4 \checkmark \end{array}$

 $\begin{array}{c} x+0=-2 \checkmark \\ x=-2 \checkmark \end{array}$

 $a = -2 \checkmark$ $a = -2 \checkmark$ $0 + y = -2 \checkmark$ $y = -2 \checkmark$ $b = -2 \checkmark$

Total points = 94

Answers Answers 1.
$$x+y=12$$
 \checkmark $x+0=12$ \checkmark $x=12$ \checkmark \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark $x=12$ \checkmark \checkmark \checkmark

$$x = 12 \checkmark$$

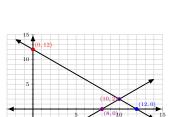
$$a = 12 \checkmark$$

$$0 + y = 12 \checkmark$$

$$y = 12 \checkmark$$

$$b = 12 \checkmark$$

$$x - y = 8 \checkmark$$



2. 3x + 6y = 4

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

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

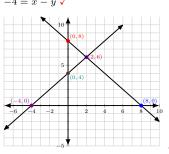
$$a = \frac{4}{3} \checkmark$$

$$3(0) + 6y = 4 \checkmark$$

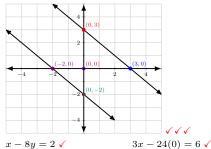
$$\frac{6y}{3} = \frac{4}{3} \checkmark$$

 $6x + 12y = 8 \checkmark$ $3x + 6(0) = 4 \checkmark$ $3x + 6 = 4 \checkmark$ $3x = \frac{4}{3} \checkmark$ $6x + 12y - 8 \checkmark$ $6x + 12(0) = 8 \checkmark$ $\frac{6x}{6} = \frac{8}{6} \checkmark$ ✓ x = $x = \frac{1}{3}$ $a = \frac{4}{3}$ ✓ $a = \frac{3}{3}$ $6(0) + 12y = 8 \checkmark$ $\frac{12y}{12} = \frac{8}{12} \checkmark$ $y = \frac{2}{3} \checkmark$ $b = \frac{2}{3} \checkmark$ $\frac{6y}{6} = \frac{4}{6}$ 6 2 **√** y = $y = \frac{1}{3}$ $b = \frac{2}{3}$

- (0, 2/
- 3. $8 = x + y \checkmark$ $8 = x + 0 \checkmark$ $8 = x \checkmark$ $a = 8 \checkmark$ $8 = 0 + y \checkmark$ 8 = 0 + 8 = 9 b = 8-4 = x - y



4. x + y = 3 \checkmark x + 0 = 3 \checkmark $x = 3 \checkmark$ $a = 3 \checkmark$ $0 + y = 3 \checkmark$ $y = 3 \checkmark$ $b = 3 \checkmark$ x+y=-2



5. $x - 8y = 2 \checkmark$ $x - 8(0) = 2 \checkmark$ $x = 2 \checkmark$ $a = 2 \checkmark$ $\begin{array}{c}
a - 2 \checkmark \\
0 - 8y = 2 \checkmark \\
\frac{-8y}{-8} = \frac{2}{-8}
\end{array}$ 1 y = -



