

## Standard Form Bell Work

Find the  $x$ - and  $y$ - intercepts of the graph of each equation.

1)  $x - 3y = 12$

2)  $2x - 2y = 22$

3)  $11x - 22y = 44$

4)  $x + y = 0$

**Standard Form** Bell Work**Answer Key**Find the  $x$ - and  $y$ - intercepts of the graph of each equation.

1)  $x - 3y = 12$

For  $x$ -intercept, put  $y = 0$ 

$$x - 3(0) = 12 \rightarrow x = 12$$

For  $y$ -intercept, put  $x = 0$ 

$$0 - 3(y) = 12 \rightarrow y = -\frac{12}{3} = -4$$

2)  $2x - 2y = 22$

For  $x$ -intercept, put  $y = 0$ 

$$2x - 2(0) = 22 \rightarrow x = \frac{22}{2} = 11$$

For  $y$ -intercept, put  $x = 0$ 

$$2(0) - 2y = 22 \rightarrow y = \frac{22}{2} = 11$$

3)  $11x - 22y = 44$

For  $x$ -intercept, put  $y = 0$ 

$$11x - 22(0) = 44 \rightarrow x = \frac{44}{11} = 4$$

For  $y$ -intercept, put  $x = 0$ 

$$11(0) - 22(y) = 44 \rightarrow y = -\frac{44}{22} = -2$$

4)  $x + y = 0$

For  $x$ -intercept, put  $y = 0$ 

$$x + 0 = 0 \rightarrow x = 0$$

For  $y$ -intercept, put  $x = 0$ 

$$0 + y = 0 \rightarrow y = 0$$