

## Intercepts of a Graph and an Equation

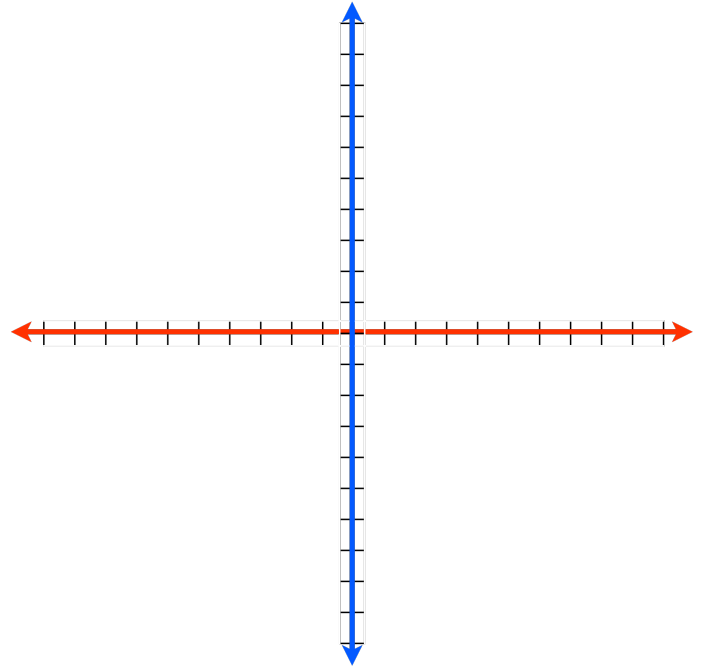
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

$x$ -intercept



$y$ -intercept



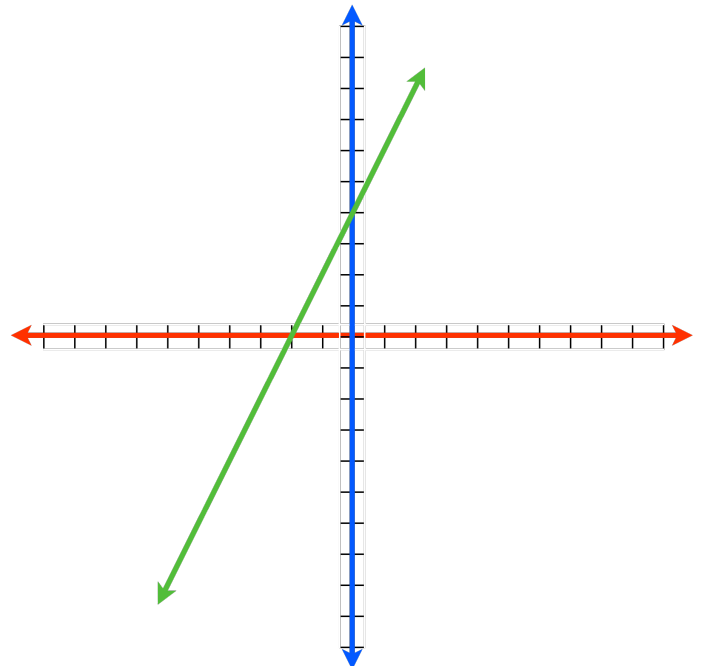
$x$ -intercept

Point where line/graph crosses the  $x$ -axis



$y$ -intercept

Point where line/graph crosses the  $y$ -axis



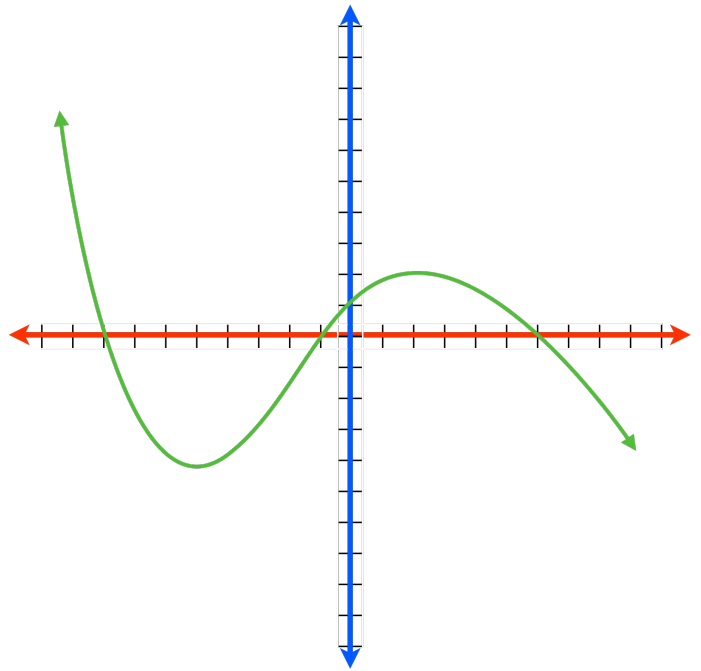
### $x$ -intercept

Point where line/graph crosses the  $x$ -axis



### $y$ -intercept

Point where line/graph crosses the  $y$ -axis



## Finding the intercepts from an Equation

$$3x + 9y = 27$$

### $x$ -intercept

Set  $y = 0$ , solve for  $x$

$x$ -intercept

$y$ -intercept

### $y$ -intercept

Set  $x = 0$ , solve for  $y$

## Finding the intercepts from an Equation

$$y = x^2 - 9$$

**$x$ -intercept**

Set  $y = 0$ , solve for  $x$

**$x$ -intercept**

**$y$ -intercept**

**$y$ -intercept**

Set  $x = 0$ , solve for  $y$

**$x$ -intercept**

**$y$ -intercept**