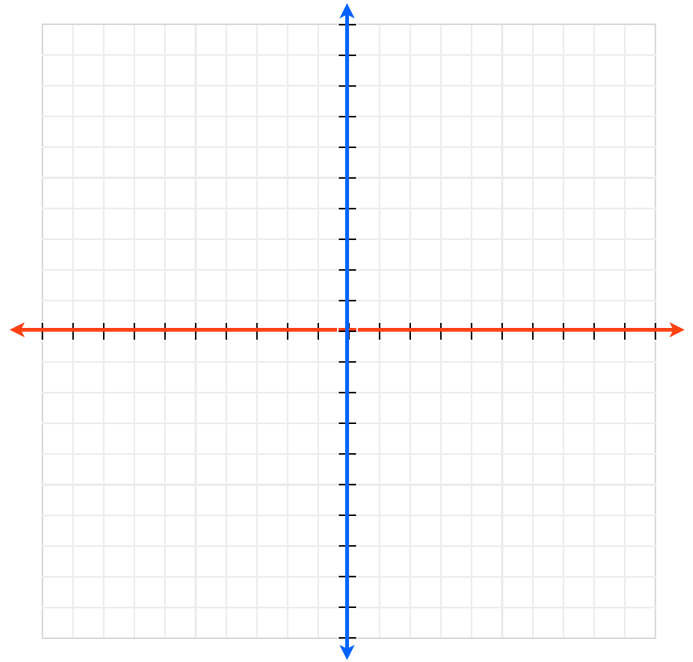


Finding x -intercepts and y -intercepts of Linear Functions

Name _____

Date _____ Period _____

 x -interceptwhere line crosses the x -axis, when $y = 0$ set $y = 0$, solve for x y -interceptwhere line crosses the y -axis, when $x = 0$ set $x = 0$, solve for y  x -interceptset $y = 0$, solve for x y -interceptset $x = 0$, solve for y Find the x -intercept and y -intercept of the following linear functions.

$$6x - 2y = 12$$

 x -intercept y -intercept

$$3x + 2y = -18$$

 x -intercept y -intercept

x -intercept

set $y = 0$, solve for x

y -intercept

set $x = 0$, solve for y

Find the x -intercept and y -intercept of the following linear functions.

$$x + 4y = 8$$

x -intercept

y -intercept

$$2x - 2y = 10$$

x -intercept

y -intercept

Use the x -intercept and y -intercept to graph the following linear functions.

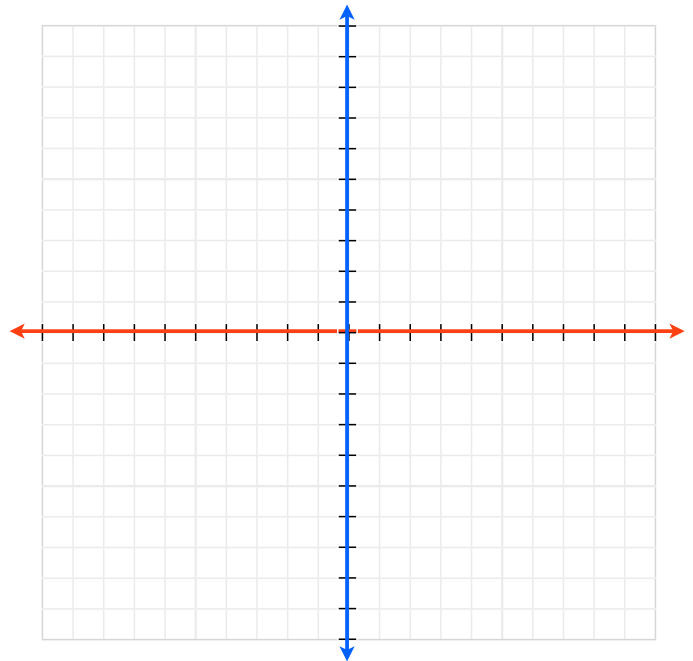
$$2x + y = 8$$

x -intercept

y -intercept

set $y = 0$, solve for x

set $x = 0$, solve for y



Use the x -intercept and y -intercept to graph the following linear functions.

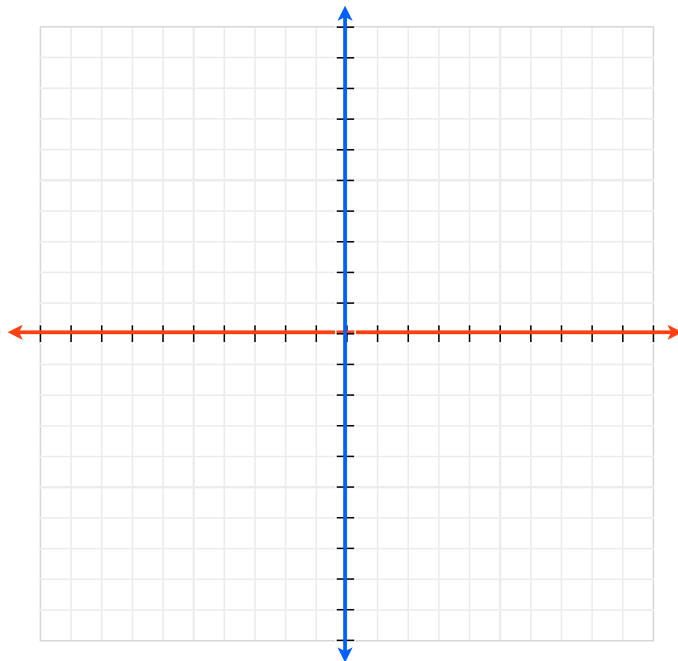
$$4x - 5y = -20$$

x -intercept

set $y = 0$, solve for x

y -intercept

set $x = 0$, solve for y



x -intercept

Set $y = 0$, solve for x

y -intercept

Set $x = 0$, solve for y