

**Graphing**

**X- and Y-Intercepts**

To find the x-intercept, let  $y = 0$ . To find the y-intercept, let  $x = 0$ . Graph  $4x - y = 4$  by using the x- and y-intercepts.

**x-intercept**

$$2x - y = 2$$

$$2x - 0 = 2$$

$$2x = 2$$

$$x = 1$$

$$(1, 0)$$

**y-intercept**

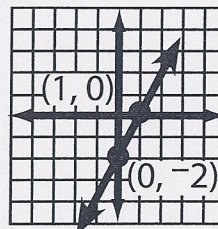
$$2x - y = 2$$

$$2(0) - y = 2$$

$$-y = 2$$

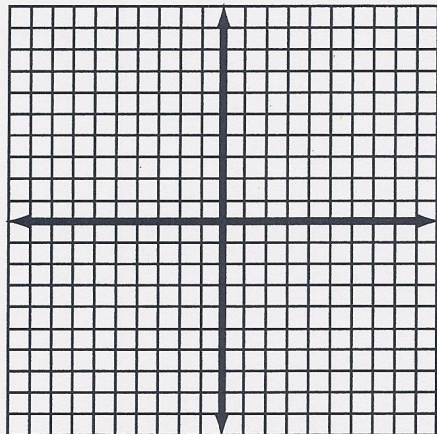
$$y = -2$$

$$(0, -2)$$

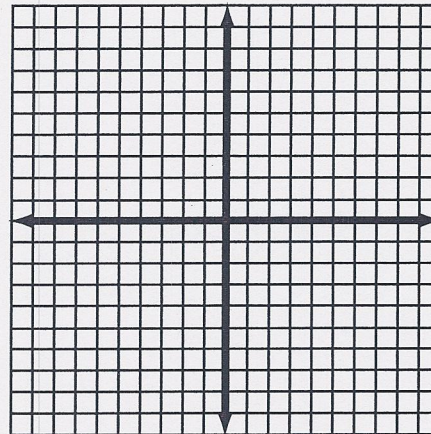


Find the x- and y-intercepts and graph.

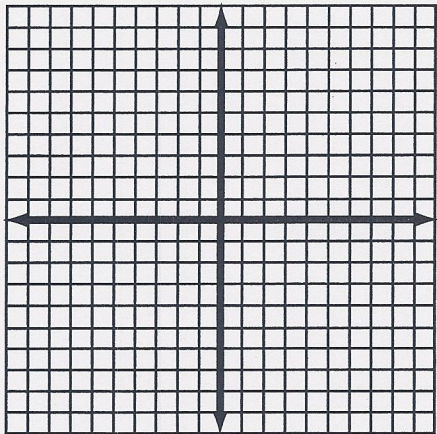
1.  $3x - 9y = 18$



2.  $4x + 2y = -8$



3.  $2x + 4y = 20$



4.  $x + 5y = 10$

