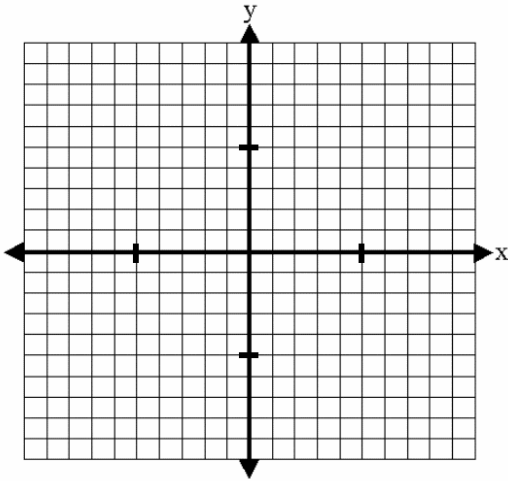


OBJECTIVE: To graph and write an equation given the slope and a point on the line.

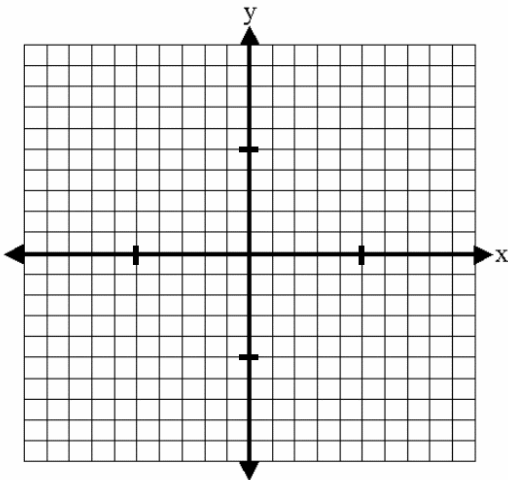
1. Graph the line that passes through the point  $(2, 5)$  with a slope of 4.



Where is the y-intercept?

Write the equation of the line.

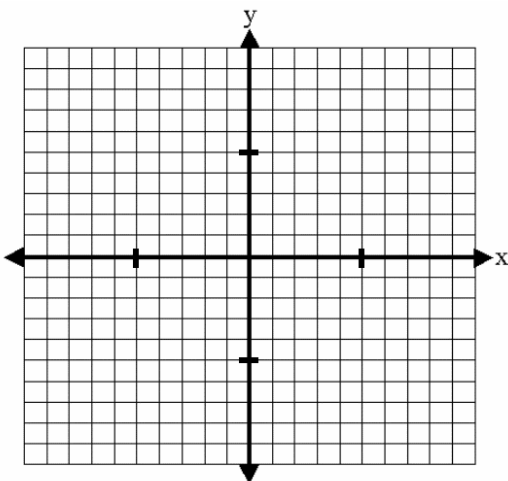
2. Graph the line that passes through the point  $(3, -1)$  with a slope of  $-1$ .



Where is the y-intercept?

Write the equation of the line.

3. Graph the line that passes through the point  $(-6, 4)$  with a slope of  $-\frac{2}{3}$ .



Where is the y-intercept?

Write the equation of the line.

4. Write the equation of the line that passes through the point  $(12, -1)$  with a slope of  $\frac{1}{2}$ .

5. Write the equation of the line that passes through the point  $(-5, 0)$  with a slope of  $-7$ .

6. Write the equation of the line that passes through the point  $(7, -15)$  with a slope of  $2$ .

7. Write the equation of the line given  $f(6) = 1$  with a slope of  $-\frac{1}{2}$ .

#### Jumbled Answers

$$y = -\frac{2}{3}x$$

$$y = 2x - 29$$

$$y = -\frac{1}{2}x + 4$$

$$y = 4x - 3$$

$$y = \frac{1}{2}x - 7$$

$$y = -x + 2$$

$$y = -7x - 35$$