

Exercise 79

For the following exercises, for each linear equation, a. give the slope m and y -intercept b , if any, and b. graph the line.

$$4y + 24 = 0$$

Solution

Solve the given equation for y .

$$4y + 24 = 0$$

$$4y = -24$$

$$y = -6$$

The general equation for a line is

$$y = mx + b.$$

Comparing the coefficients, we have

$$m = 0$$

$$b = -6.$$

Below is a graph of the line.

