Exercise 78

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

$$f(x) = -5x + 4$$

Solution

The general equation for a line is

$$y = mx + b$$

Comparing the coefficients, we have

$$m = -5$$

$$b = 4.$$

Below is a graph of the line.