## Exercise 76

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

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

**Solution**

The general equation for a line is

$$y = mx + b$$

Comparing the coefficients, we have

$$m = -\frac{1}{7}$$

$$b = 1.$$

Below is a graph of the line.