Exercise 80

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

$$8x - 4 = 0$$

Solution

Solve the given equation for x.

$$8x - 4 = 0$$

$$8x = 4$$

$$x = \frac{1}{2}$$

This is a vertical line (infinite slope, $m = \infty$) with no y-intercept.