1. Each of the following describes a line. Find the slope-intercept form of the line with each of the following properties:

   (a) The line has slope 3 and passes through the point $(-2, 4)$.

   (b) The line passes through the points $(5, 2)$ and $(-3, 4)$.

2. Plot each of the lines on the following axes. You should use knowledge of the y-intercept and the slope for this. Do not just plot points. Label each line (a)-(d).

   (a) $y = 2x - 3$
   (b) $y = -\frac{2}{3}x + 4$
   (c) $y = 4$
   (d) $x = -1$

3. The cost C, in dollars, of renting a moving truck for a day is modeled by the function $C(x) = 0.25x + 35$, where x is the number of miles driven.

   (a) What is the cost if you drive $x = 40$ miles?
   (b) If the cost of renting the moving truck is \$80, how many miles did you drive?
   (c) Suppose that you want the cost to be no more than \$100. What is the maximum number of miles that you can drive?
   (d) What is the the implied domain of C?

4. This is just a test.

5. Find the equation of the line through the points $(3, 4)$ and $(-2, 1)$.