Name: _____   Date: _____

Section 7.2 Extra Practice

1. Express each equation in general form, $Ax + By + C = 0$.

  a) $y = -3x + 5$

  b) $y = \dfrac{2}{3}x - 4$

  c) $y = -\dfrac{3}{2}x + \dfrac{1}{3}$

  d) $y = 0.4x - 0.15$

  e) $y = 1$

  f) $x = -2$

2. Determine the intercepts of each line. Then, graph the line.

  a) $3x - y + 12 = 0$

  b) $2x + 3y - 9 = 0$

  c) $y = 8x - 3$

  d) $y = \dfrac{1}{2}x - \dfrac{3}{4}$

3. Determine the intercepts of each line and graph the line. Then, state the domain and range.
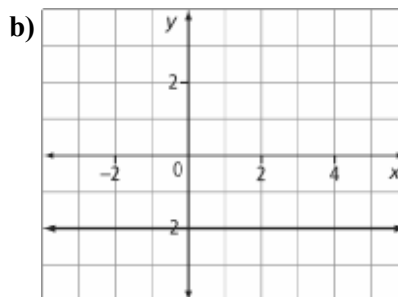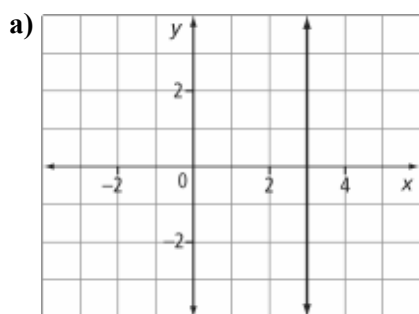
  a) $x = 4$

  b) $y = -1$

  c) $3y + 5 = 0$

  d) $2x - 1 = 0$

4. What is the equation of each line, in general form?
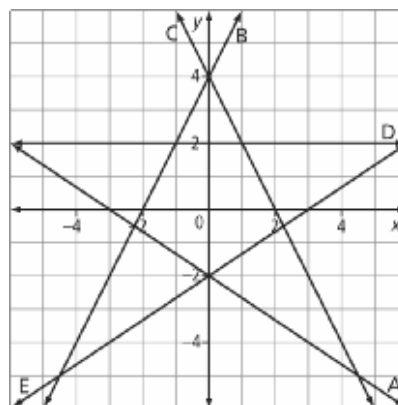
  a)

  b)

5. Graph each line using the given intercepts. What is the equation of the line?

  a) The *x*-intercept is 4. There is no *y*-intercept.

  b) There is no *x*-intercept. The *y*-intercept is $-\dfrac{1}{3}$.

6. Match each equation with a line labelled in the figure.

  a) $2x - 3y - 6 = 0$

  b) $2x + 3y + 6 = 0$

  c) $2x + y - 4 = 0$

  d) $2x - y + 4 = 0$

  e) $y - 2 = 0$

7. Write an equation, in general form, for each line described.

  a) a vertical line passing through the point $(-1, 5)$

  b) a horizontal line passing through the point $(-4, 2)$