Name: _____ Date: _____

BLM 7–7

Section 7.2 Extra Practice

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

a) $y = -3x + 5$

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

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

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

3. Determine the intercepts of each line and graph the line. Then, state the domain and range.

a) $x = 4$

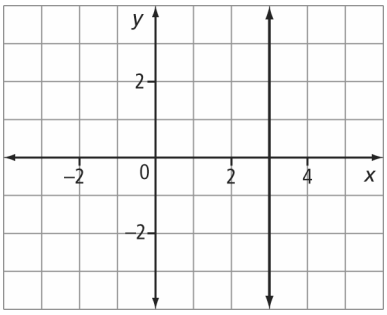
b) $y = -1$

c) $3y + 5 = 0$

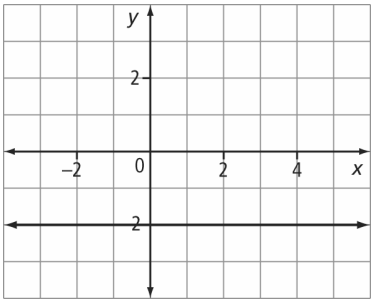
d) $2x - 1 = 0$

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

a)



b)

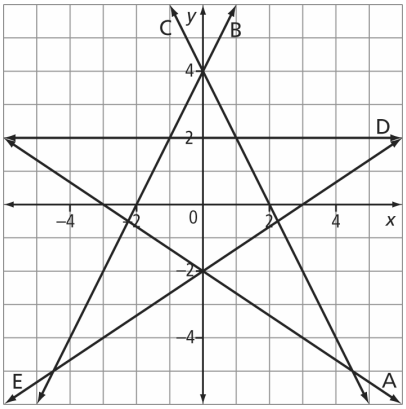


5. Graph each line using the given intercepts. What is the equation of the line?

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

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

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)