

Practice Exercises

A. Rewrite the following equations in the form $Ax + By = C$.

1. $y = -x + 4$

2. $y = 5x + 7$

3. $y = \frac{1}{2}x$

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

5. $y = \frac{5}{2}x + \frac{3}{2}$

B. Rewrite the following equations in the form $y = mx + b$ and identify the values of m and b .

1. $2x + y = 9$

2. $3x - y = 2$

3. $3x + \frac{1}{2}y = 4$

5. $\frac{5}{2}x + \frac{2}{3}y - 5 = 0$

4. $-3x + 3y - 1 = 0$

Problem Set

A. Rewrite the following equations in the form $Ax + By = C$.

1. $y = -2x + 6$

2. $y = 3x - 8$

3. $y = \frac{1}{2}x + 3$

4. $y = 2x + \frac{1}{4}$

5. $y = \frac{5}{4}x + \frac{3}{8}$

B. Rewrite the following equations in the form $y = mx + b$ and identify the values of m and b .

1. $x + 2y = 4$

2. $5x + 2y = 7$

$$3. \quad 5x - 7y = 2$$

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

$$5. \quad \frac{2}{3}x - \frac{1}{5}y = \frac{3}{5}$$