

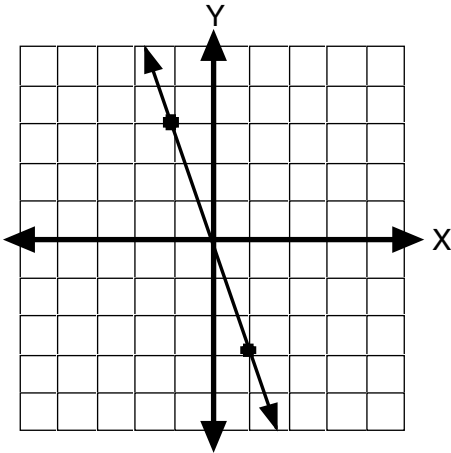
Solutions for these pages are at the end of this file.

Fill in the blanks.

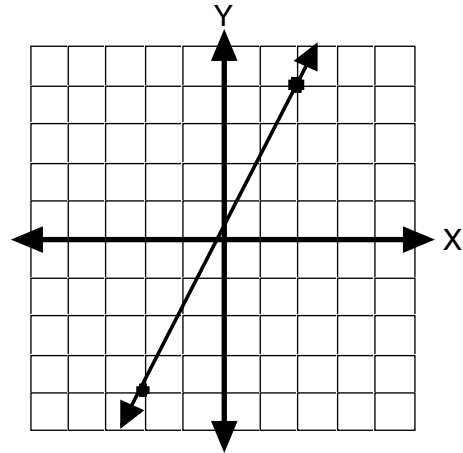
- 1) The point where a line crosses the Y-axis is known as the y _____ .
- 2) Slope may be written as the _____ dimension divided by the _____ dimension.
- 3) A line with a _____ slope slants down to the right.

For each graph, discern whether the slope is positive or negative, then make a triangle and find m .

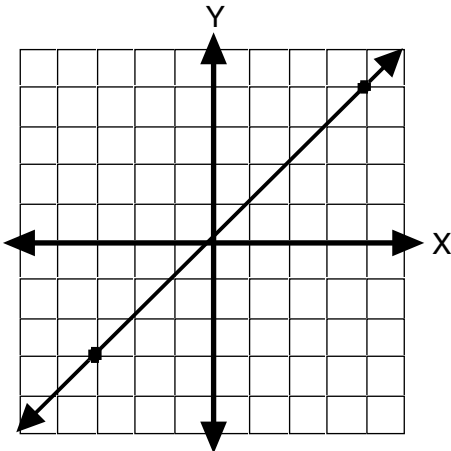
4) positive or negative? _____ $m =$ _____



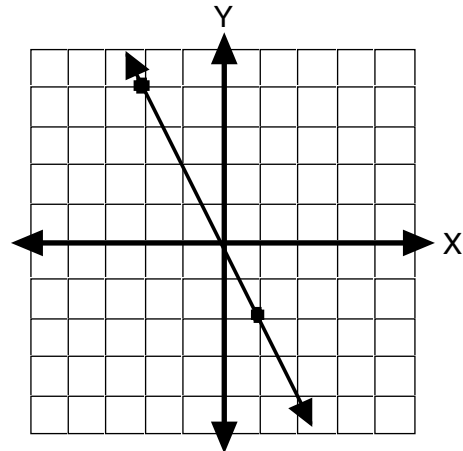
5) positive or negative? _____ $m =$ _____



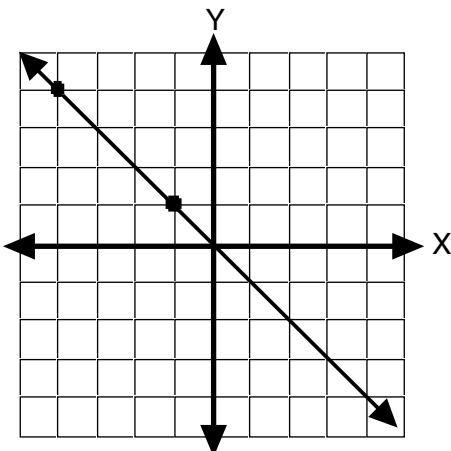
6) positive or negative? _____ $m =$ _____



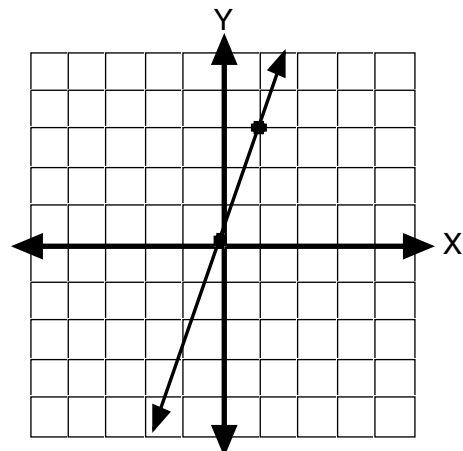
7) positive or negative? _____ $m =$ _____



8) positive or negative? _____ $m =$ _____



9) positive or negative? _____ $m =$ _____

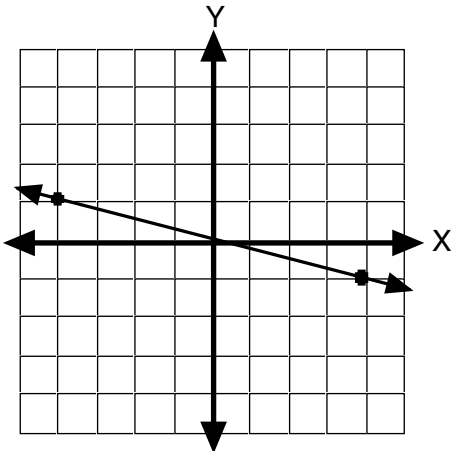


Fill in the blanks.

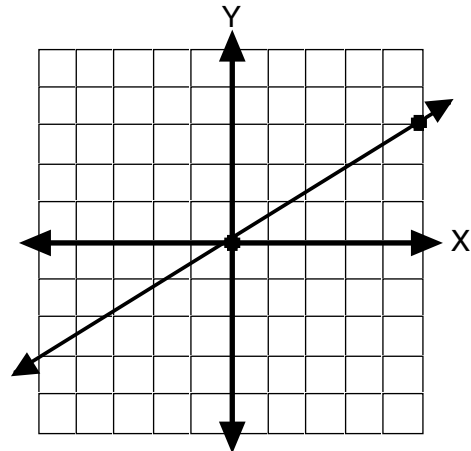
- 1) In the formula $Y = 4X + 5$, the slope is _____ .
- 2) In the formula $Y = -X + 3$, the y-intercept is _____ .
- 3) Parallel lines have the same _____ .

For each graph, discern whether the slope is positive or negative, then make a triangle and find m .

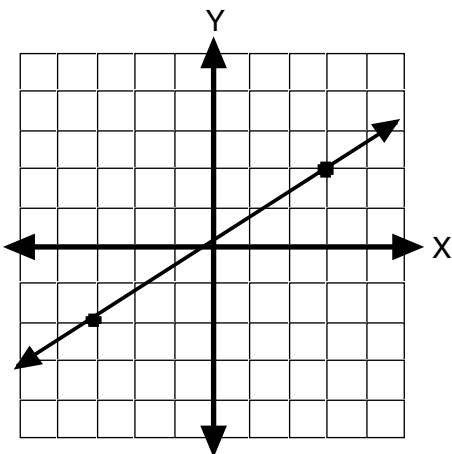
4) positive or negative? _____ $m =$ _____



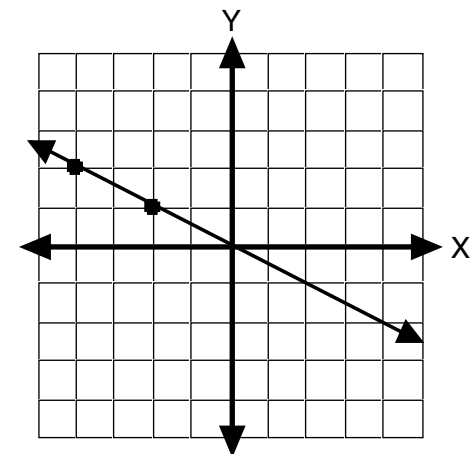
5) positive or negative? _____ $m =$ _____



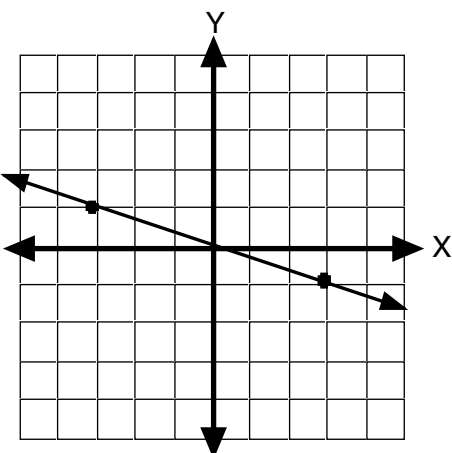
6) positive or negative? _____ $m =$ _____



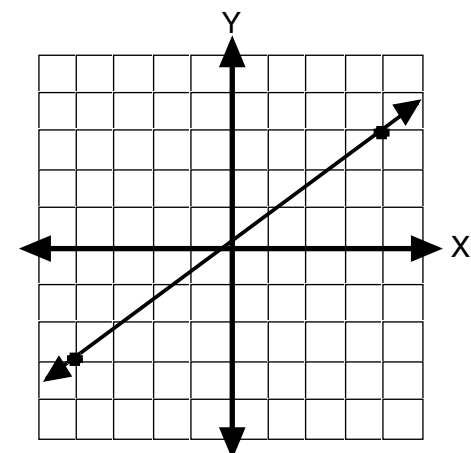
7) positive or negative? _____ $m =$ _____



8) positive or negative? _____ $m =$ _____



9) positive or negative? _____ $m =$ _____

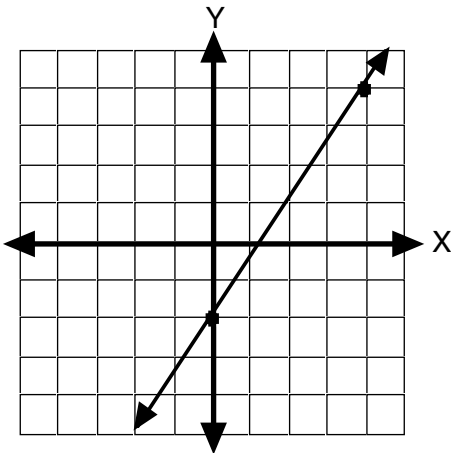


Fill in the blanks.

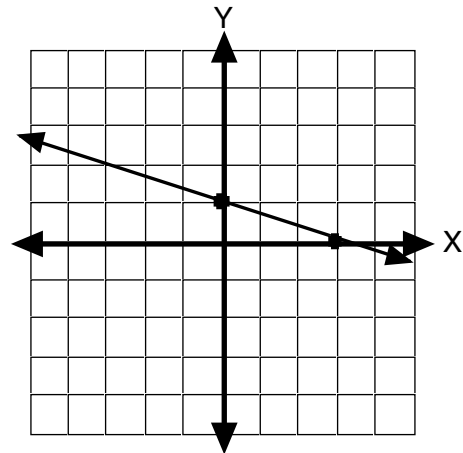
- 1) A line that includes the point (0, -3) has a y-intercept of _____.
- 2) A line with a negative slope slants _____ to the right.
- 3) A line with a positive slope slants _____ to the right.

Find the slope and intercept of each line, and then write the slope-intercept formula for the line.

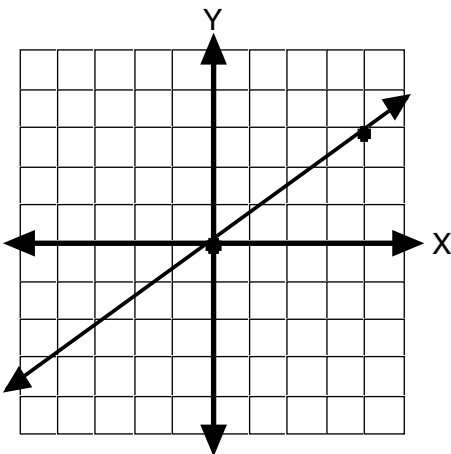
4) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$



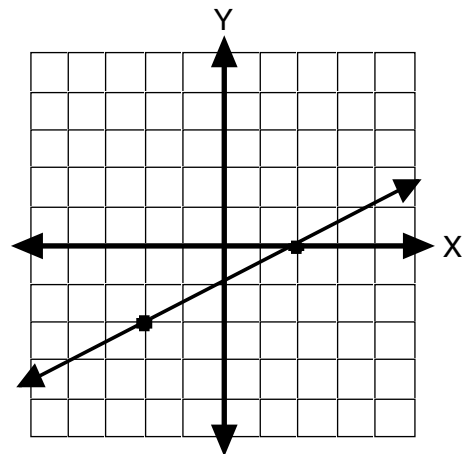
5) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$



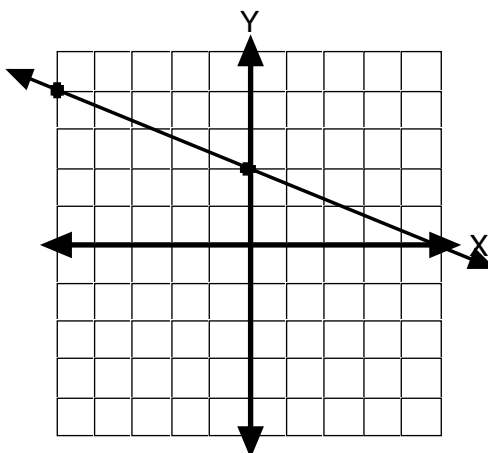
6) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$



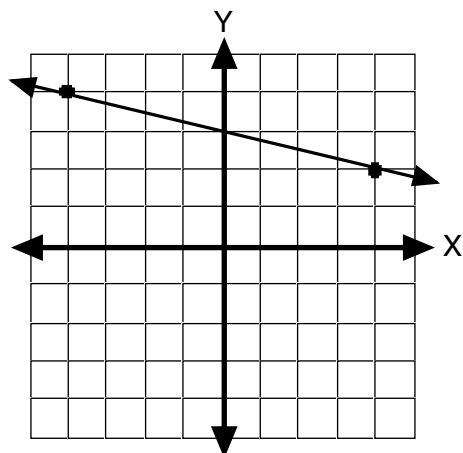
7) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$



8) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$



9) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{1cm}}$, $Y = \underline{\hspace{2cm}}$

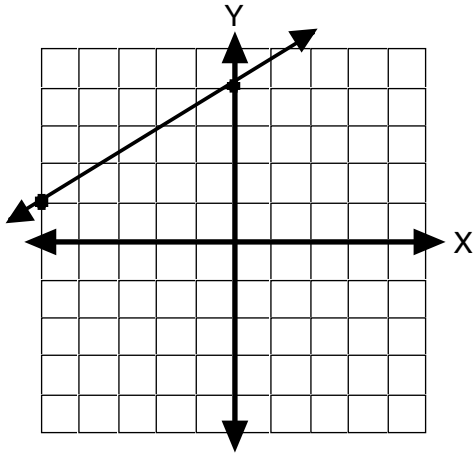


Fill in the blanks.

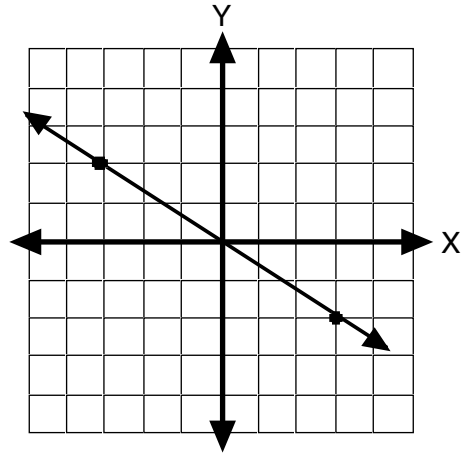
- 1) In the formula $Y = 4X + 5$, the slope is _____ .
- 2) In the formula $Y = -X + 3$, the y-intercept is _____ .
- 3) Parallel lines have the same _____ .

Find the slope and intercept of each line, and then write the slope-intercept formula for the line.

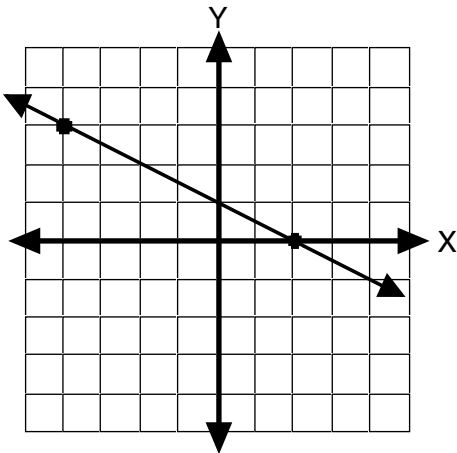
4) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$



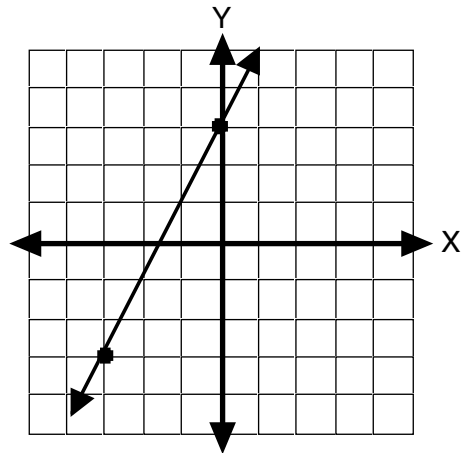
5) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$



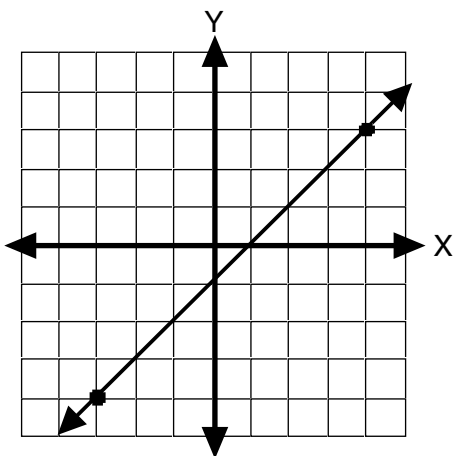
6) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$



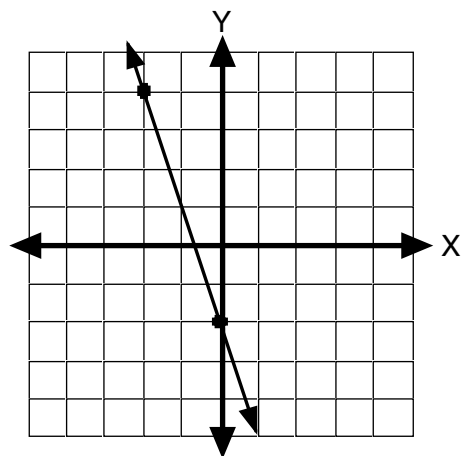
7) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$



8) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$

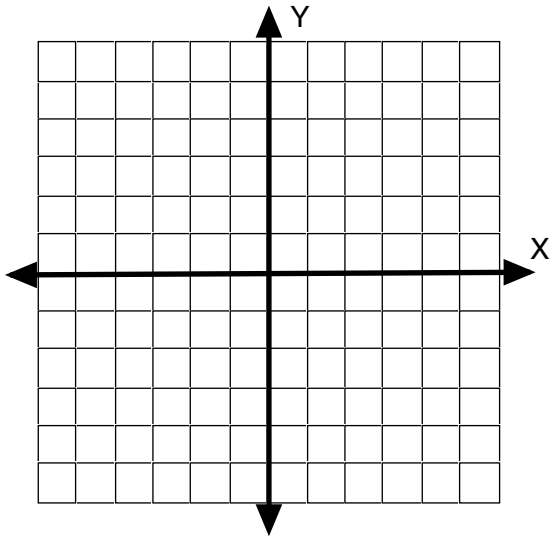


9) $m = \underline{\hspace{2cm}}$, $b = \underline{\hspace{2cm}}$, $Y = \underline{\hspace{2cm}}$

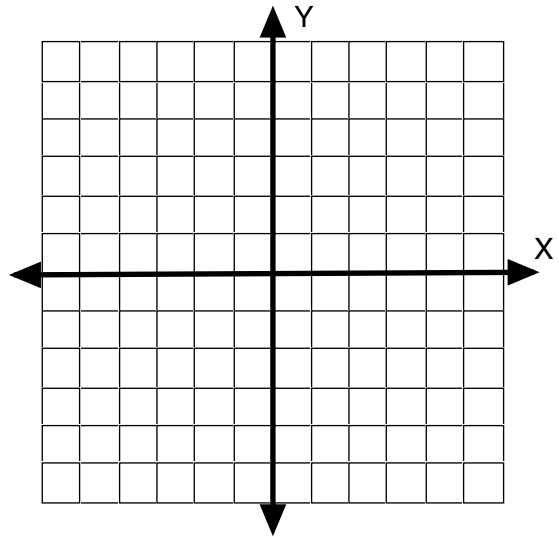


Identify the slope and intercept of each equation. Then draw the line corresponding to the equation.

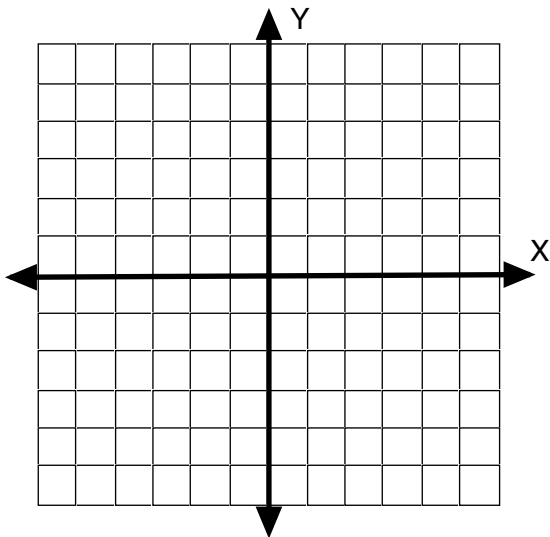
1) $Y = \frac{1}{4}X - 2$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$



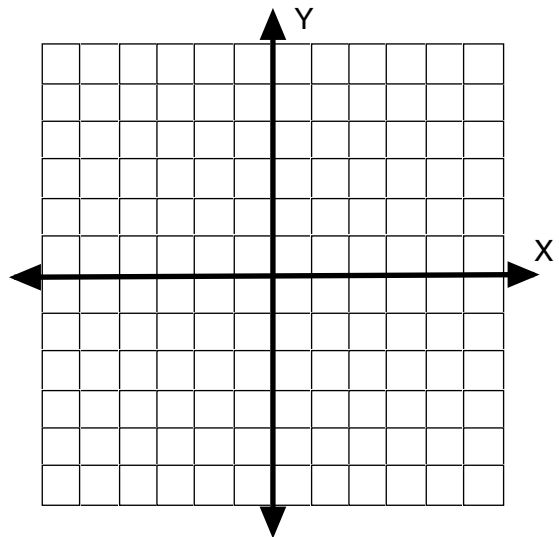
2) $Y = -X + 2$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$



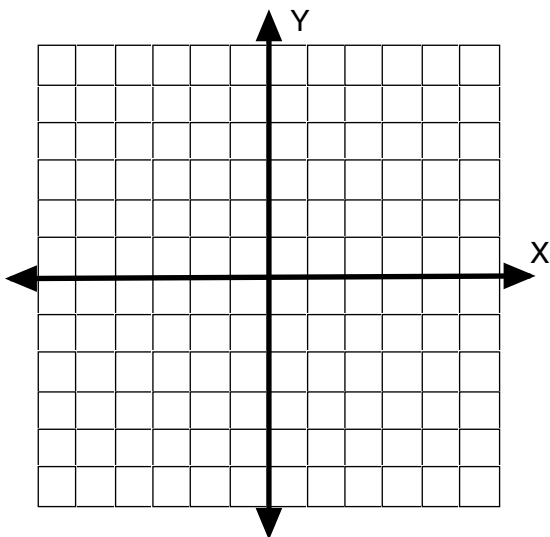
3) $Y = -2$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$



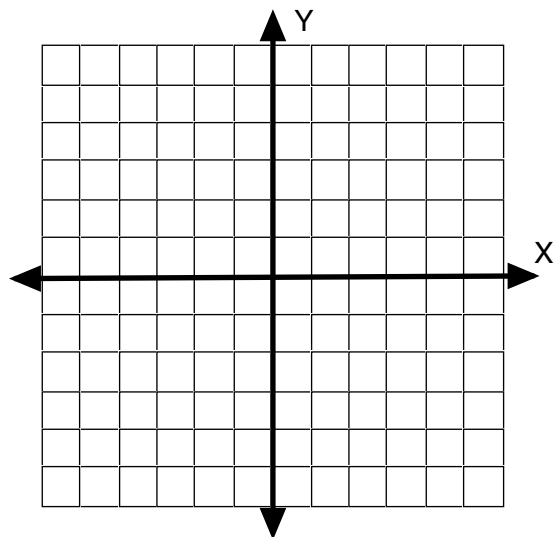
4) $Y = \frac{3}{5}X + 1$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$



5) $Y = X$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$

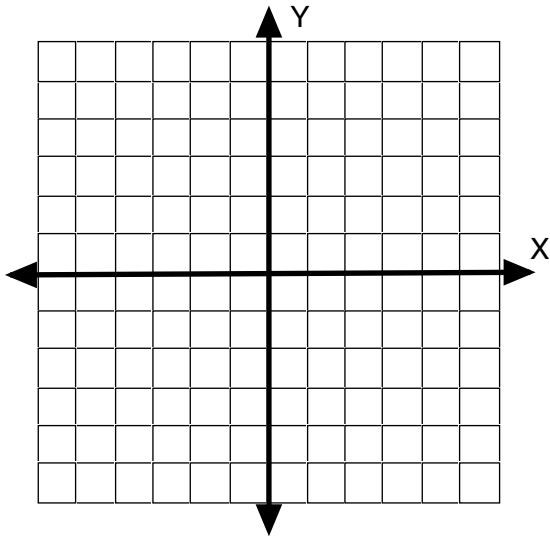


6) $X = -3$ $m = \underline{\hspace{1cm}}$, $b = \underline{\hspace{1cm}}$

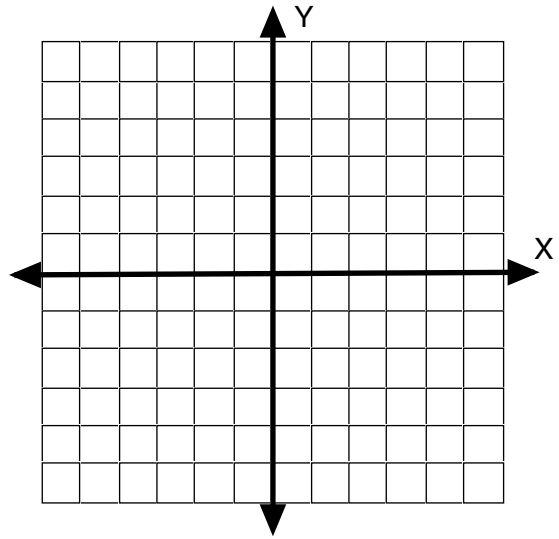


Identify the slope and intercept of each equation. Then draw the line corresponding to the equation.

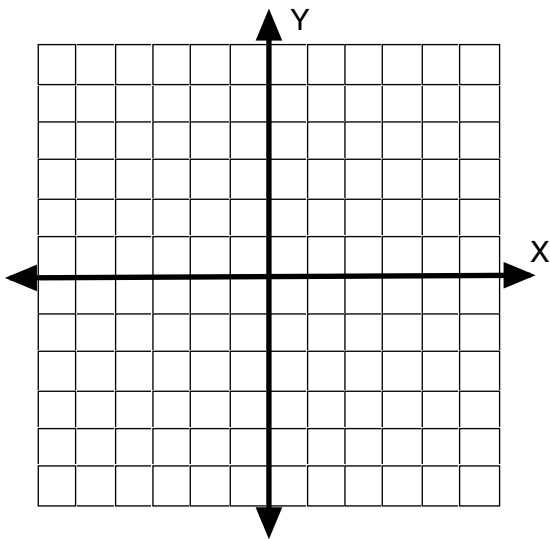
1) $Y = -2X - 5$ $m = \underline{\quad}$, $b = \underline{\quad}$



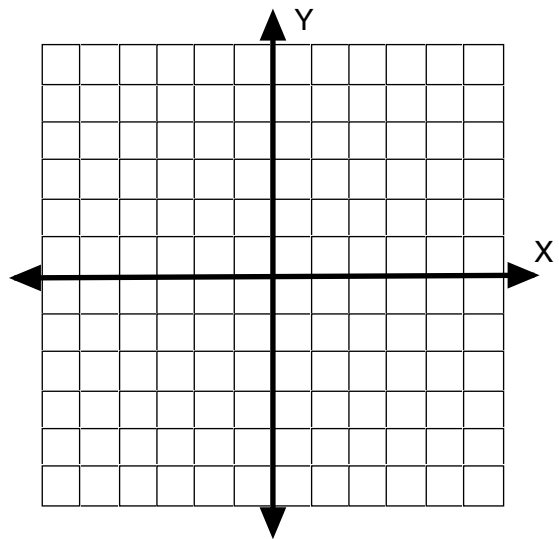
2) $Y = -3/2X$ $m = \underline{\quad}$, $b = \underline{\quad}$



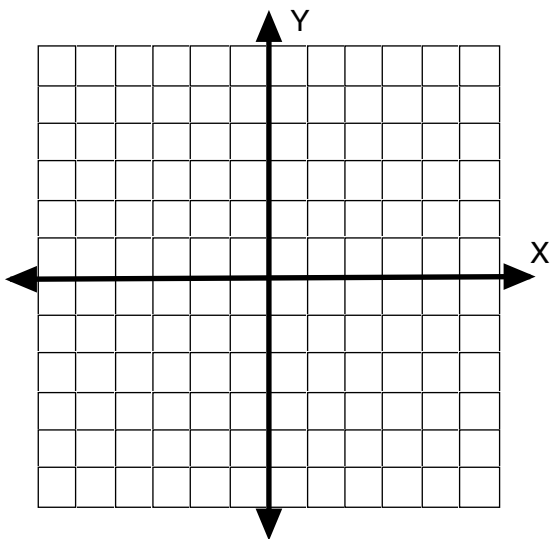
3) $X = 0$ $m = \underline{\quad}$, $b = \underline{\quad}$



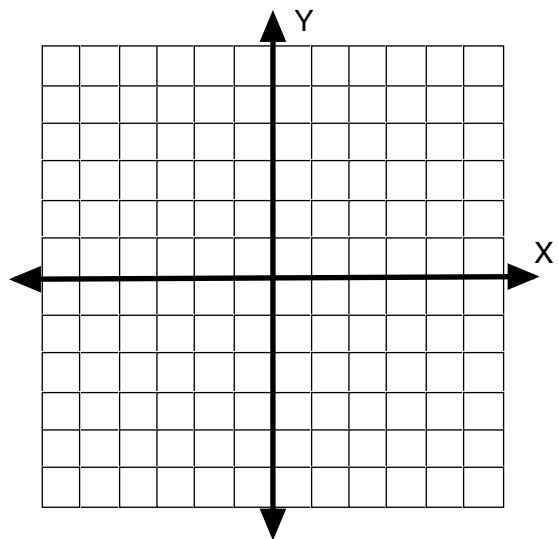
4) $Y = -3X + 2$ $m = \underline{\quad}$, $b = \underline{\quad}$



5) $Y = 2X - 1$ $m = \underline{\quad}$, $b = \underline{\quad}$



6) $Y = 4$ $m = \underline{\quad}$, $b = \underline{\quad}$



Lesson Practice 7A.1

- 1) intercept
- 2) up: over
- 3) negative
- 4) negative; $m = \frac{6}{-2} = -3$
- 5) positive; $m = \frac{8}{4} = 2$
- 6) positive; $m = \frac{7}{7} = 1$
- 7) negative; $m = \frac{6}{-3} = -2$
- 8) negative; $m = \frac{3}{-3} = -1$
- 9) positive; $m = \frac{3}{1} = 3$

Lesson Practice 7A.2

- 1) 4
- 2) 3
- 3) slope
- 4) negative; $m = \frac{2}{-8} = -\frac{1}{4}$
- 5) positive; $m = \frac{3}{5}$
- 6) positive; $m = \frac{4}{6} = \frac{2}{3}$
- 7) negative; $m = \frac{1}{-2} = -\frac{1}{2}$
- 8) negative; $m = \frac{2}{-6} = -\frac{1}{3}$
- 9) positive; $m = \frac{6}{8} = \frac{3}{4}$

Lesson Practice 7A.3

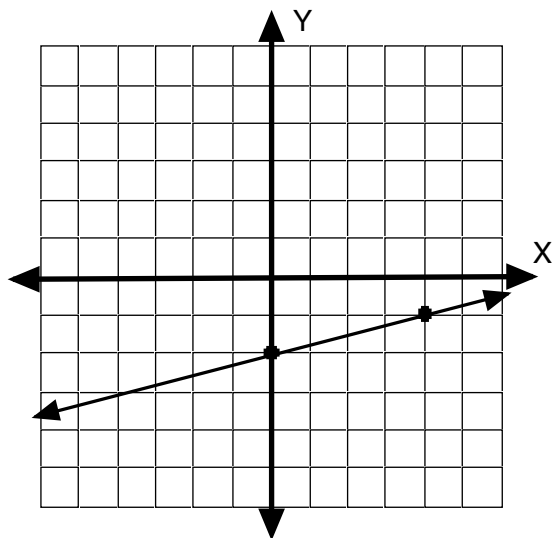
- 1) -3
- 2) down
- 3) up
- 4) $m = \frac{6}{4} = \frac{3}{2}$; $b = -2$; $Y = \frac{3}{2}X - 2$
- 5) $m = \frac{1}{-3} = -\frac{1}{3}$; $b = 1$; $Y = -\frac{1}{3}X + 1$
- 6) $m = \frac{3}{4}$; $b = 0$; $Y = \frac{3}{4}X$
- 7) $m = \frac{2}{4} = \frac{1}{2}$; $b = -1$; $Y = \frac{1}{2}X - 1$
- 8) $m = \frac{5}{-2} = -\frac{2}{5}$; $b = 2$; $Y = -\frac{2}{5}X + 2$
- 9) $m = \frac{2}{-8} = -\frac{1}{4}$; $b = 3$; $Y = -\frac{1}{4}X + 3$

Lesson Practice 7A.4

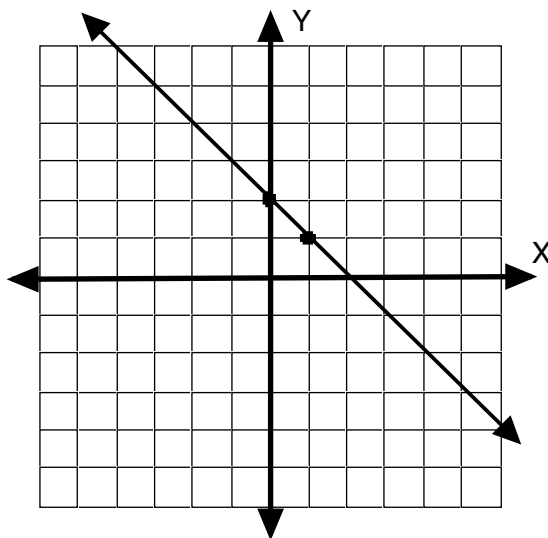
- 1) 4
- 2) 3
- 3) slope
- 4) $m = \frac{3}{5}$; $b = 4$; $Y = \frac{3}{5}X + 4$
- 5) $m = \frac{4}{-6} = -\frac{2}{3}$; $b = 0$; $Y = -\frac{2}{3}X$
- 6) $m = \frac{3}{-6} = -\frac{1}{2}$; $b = 1$; $Y = -\frac{1}{2}X + 1$
- 7) $m = \frac{6}{3} = 2$; $b = 3$; $Y = 2X + 3$
- 8) $m = \frac{7}{7} = 1$; $b = -1$; $Y = X - 1$
- 9) $m = \frac{6}{-2} = -3$; $b = -2$; $Y = -3X - 2$

Identify the slope and intercept of each equation. Then draw the line corresponding to the equation.

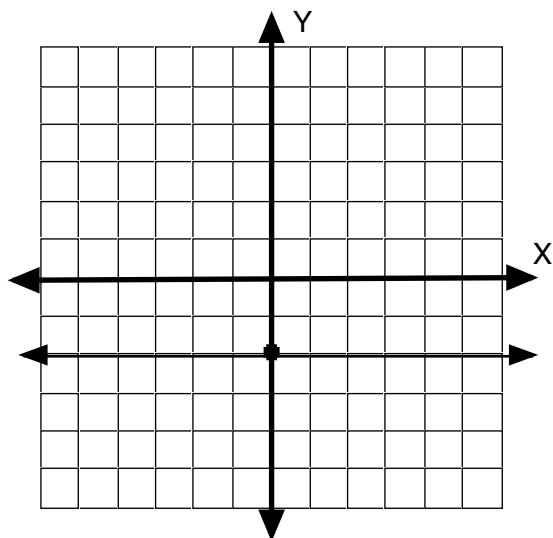
1) $Y = \frac{1}{4}X - 2$, $m = \frac{1}{4}$, $b = -2$



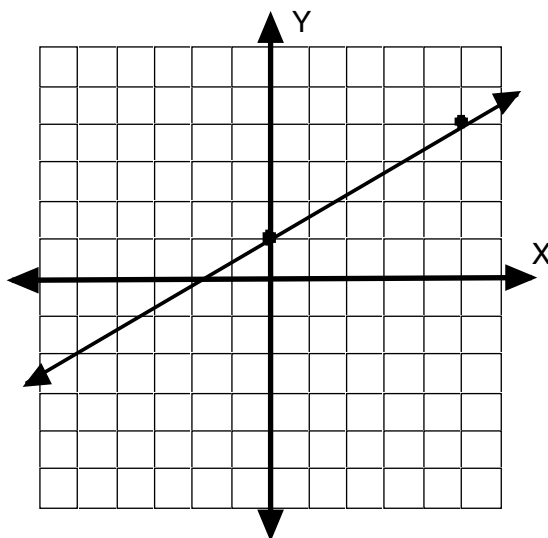
2) $Y = -X + 2$, $m = -1$, $b = 2$



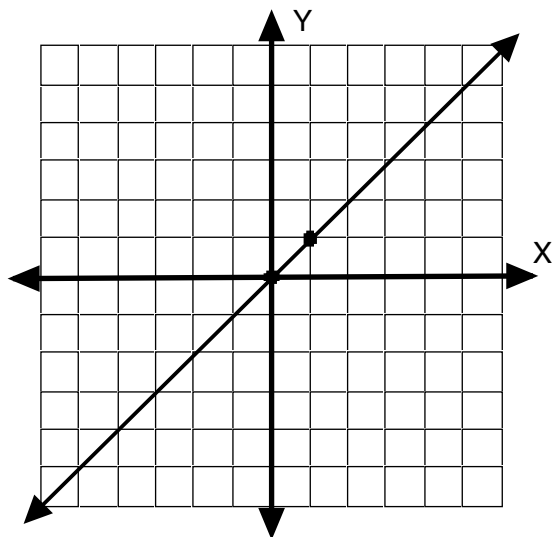
3) $Y = -2$; $Y = 0X - 2$, $m = 0$, $b = -2$



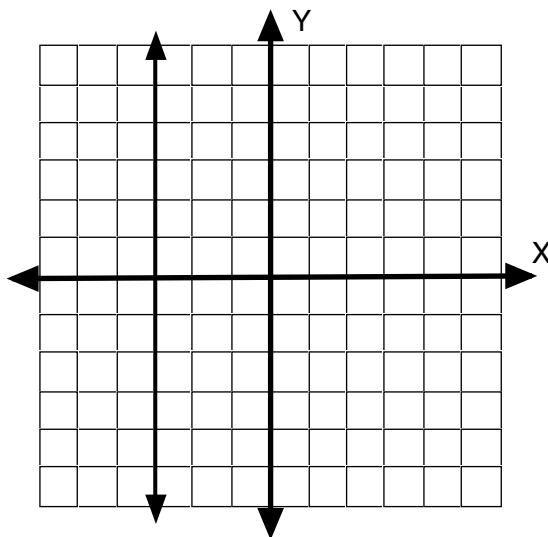
4) $Y = \frac{3}{5}X + 1$, $m = \frac{3}{5}$, $b = 1$



5) $Y = X$; $Y = X + 0$, $m = 1$, $b = 0$

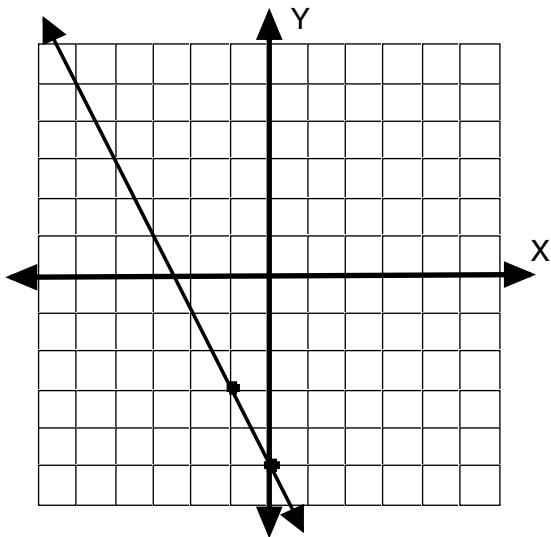


6) $X = -3$, $m = \text{undefined}$, $b = \text{none or undefined}$

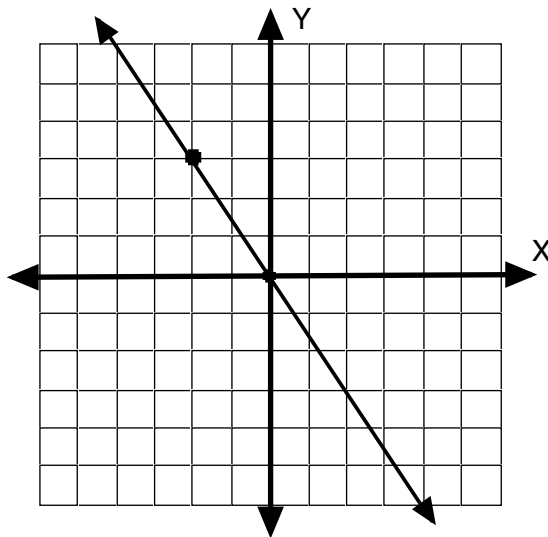


Identify the slope and intercept of each equation. Then draw the line corresponding to the equation.

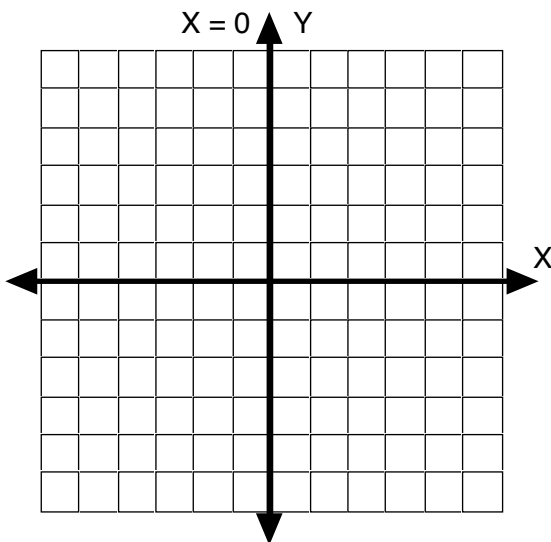
1) $Y = -2X - 5$, $m = -2$, $b = -5$



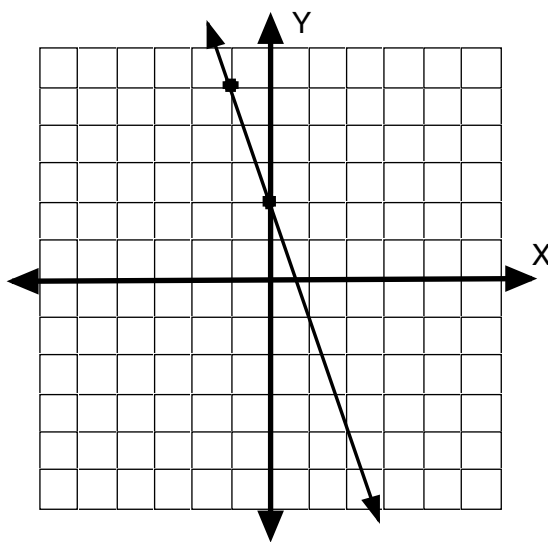
2) $Y = -\frac{3}{2}X$; $Y = -\frac{3}{2}X + 0$, $m = -\frac{3}{2}$, $b = 0$



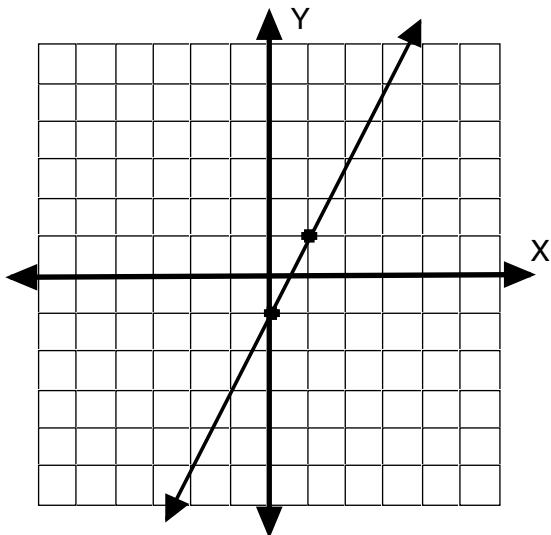
3) $X = 0$, $m = \text{undefined}$, $b = \text{none or undefined}$;
graph is Y-axis



4) $Y = -3X + 2$, $m = -3$, $b = 2$



5) $Y = 2X - 1$, $m = 2$, $b = -1$



6) $Y = 4$; $Y = 0X + 4$, $m = 0$, $b = 4$

