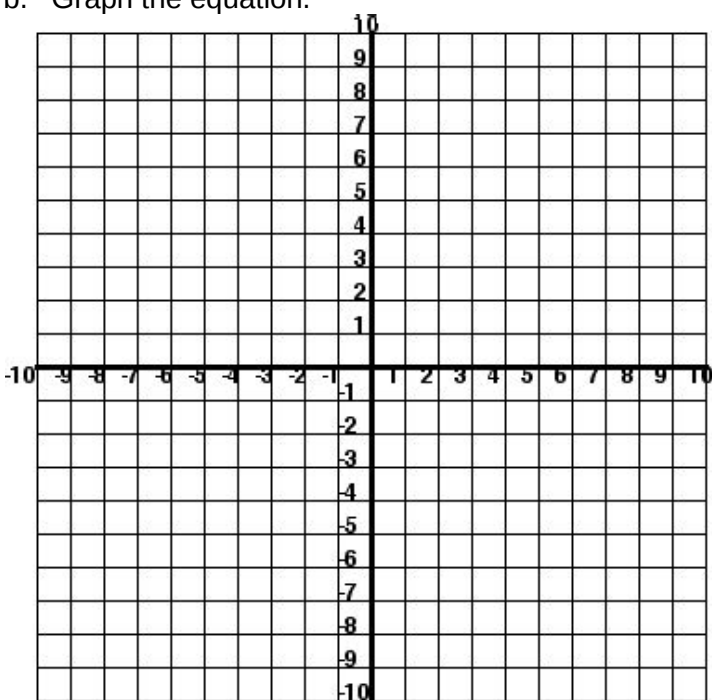


Lesson 1: Are You Ready?

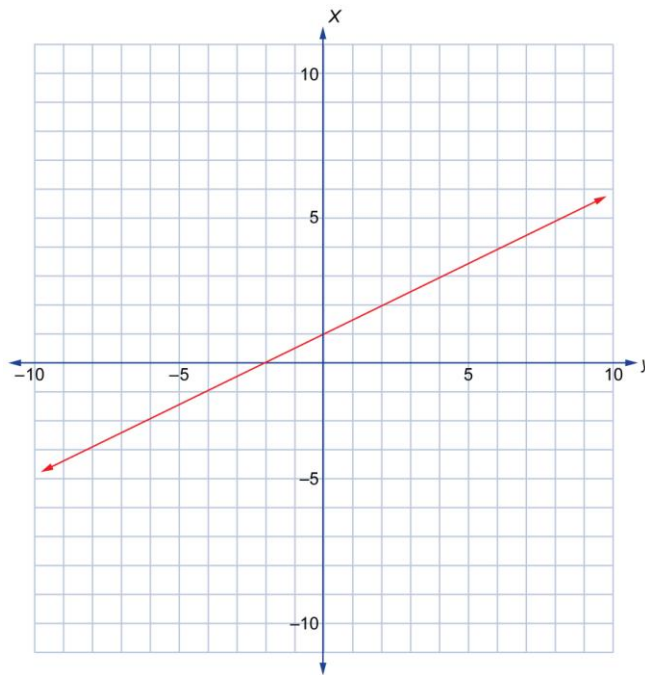
1. Consider the equation $x + 2y = 4$.
 - a. Algebraically determine the x-intercept and the y-intercept.

- b. Graph the equation.



- c. Determine the slope.

2. Consider this linear function.



- a. Write the equation of the linear function in slope-intercept form.
- b. Algebraically verify that the following points satisfy the equation obtained in part a.
 - i. $(-4, -1)$
 - ii. $(7, 4.5)$

3. Rearrange the equations into slope-intercept form.

- a. $3x - 2y = 12$
- b. $-4x - 5y + 10 = 0$

4. Substitute $x = 3$ and $y = -1$ into the following expressions to see if they result in a true statement.

a. $2x + 3y - 4 = 0$

b. $x - 5y = 8$