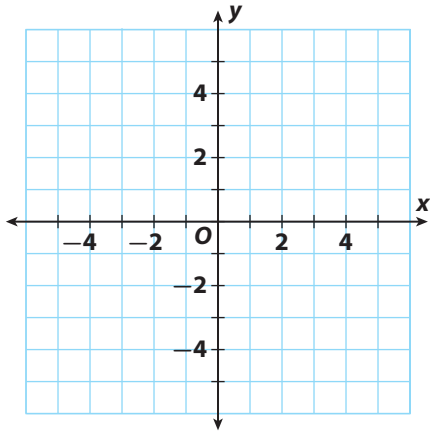


Guided Practice

Graph each equation using the slope and the y-intercept. (Example 1)

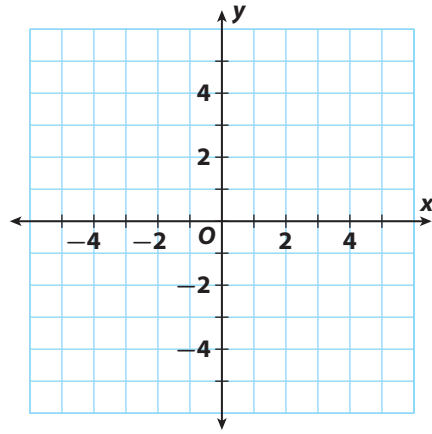
1. $y = \frac{1}{2}x - 3$

slope = _____ y-intercept = _____



2. $y = -3x + 2$

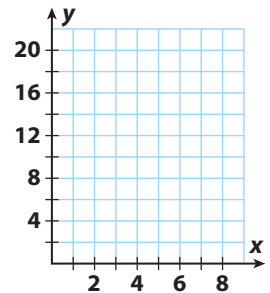
slope = _____ y-intercept = _____



3. A friend gives you two baseball cards for your birthday. Afterward, you begin collecting them. You buy the same number of cards once each week. The equation $y = 4x + 2$ describes the number of cards, y , you have after x weeks. (Example 2)

- a. Find and interpret the slope and the y-intercept of the line that represents this situation. Graph $y = 4x + 2$. Include axis labels.

- b. Discuss which points on the line do not make sense in this situation. Then plot three more points on the line that do make sense.



ESSENTIAL QUESTION CHECK-IN

4. Why might someone choose to use the y-intercept and the slope to graph a line?
