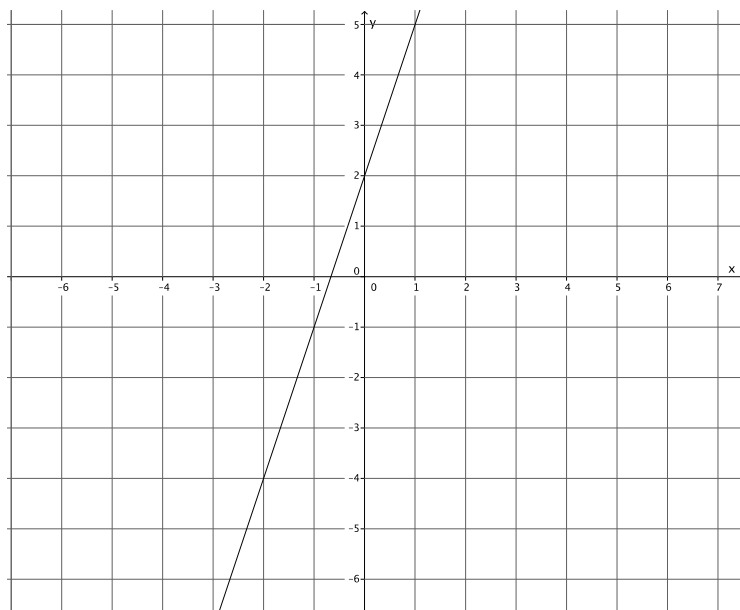
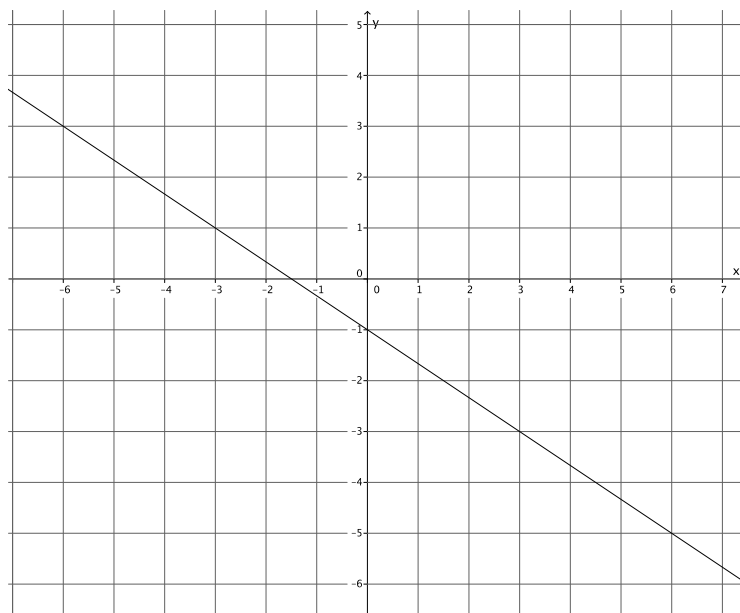


1. Write the equation that represents the line shown.



2. Write the equation that represents the line shown.



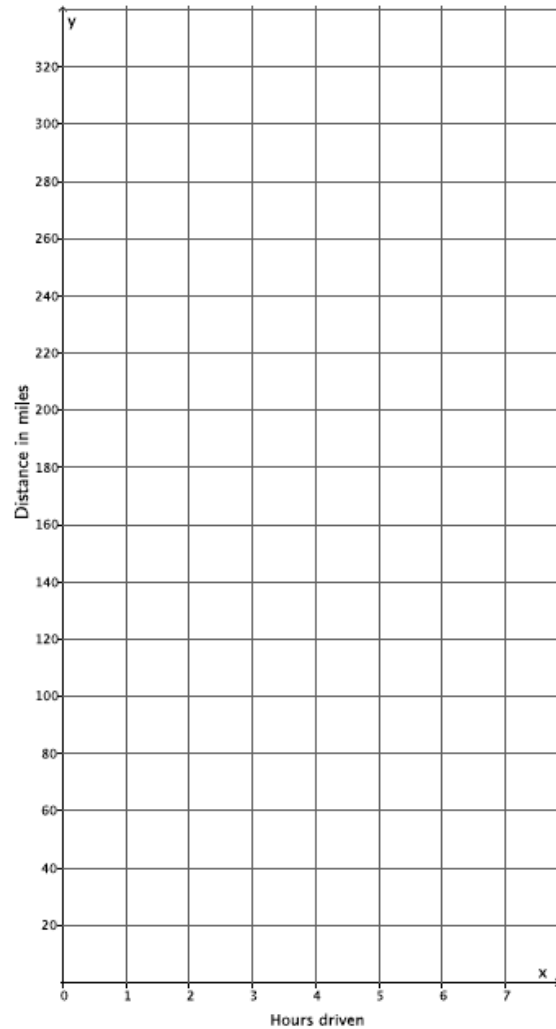
3. A group of friends are on a road trip. So far, they have driven 120 miles. They continue their trip and drive at a constant rate of 50 miles per hour.
- Let y represent the total distance traveled in x hours. Write an equation to represent the total number of miles driven in x hours.

- Identify the slope and the y -intercept. What do these numbers represent?

- Graph the equation on the given coordinate plane.

- Could any other line represent this situation? For example, could a line through point $(0, 120)$ with slope 75 represent the total distance the friends drive? Explain.

- How long would you estimate they had been driving to reach the first 120 miles? Explain.



- How long will it take them to drive 420 miles? Explain.