

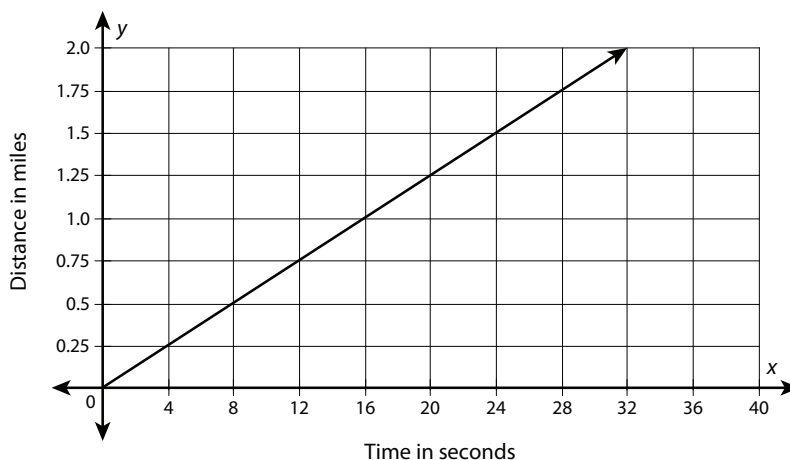
## UNIT 6 • DESCRIBING DATA

## Lesson 3: Interpreting Linear Models

Lesson 6.3.1: Interpreting Slope and  $y$ -intercept

## Warm-Up 6.3.1

A top fuel dragster (a car built for drag racing) can travel  $\frac{1}{4}$  mile in 4 seconds. The dragster's distance over time is graphed as shown. The graph assumes a constant speed. Use the graph to complete problems 1 and 2.



1. Find the slope and  $y$ -intercept of the function shown in the graph.
2. Write the algebraic equation of the line.

Use what you know about slope-intercept form to answer questions 3 and 4.

3. What is the slope of a line with the equation  $y = -x + 7$ ?
4. What is the  $y$ -intercept of a line with the equation  $y = 3x - 2$ ?