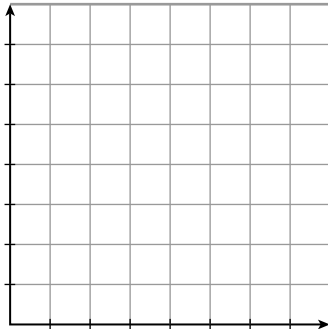


LESSON
3-5

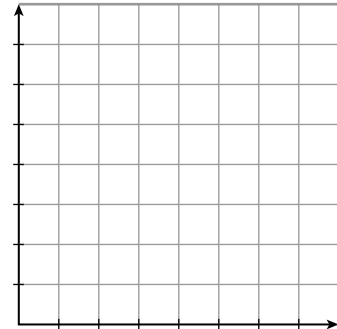
Problem Solving
Slopes of Lines

Graph the line that represents each situation. Then find and interpret the slope of the line.

1. Mara is jogging at a constant speed. She jogs 2 miles in 14 minutes. After 35 minutes, she has jogged 5 miles. Graph the line that represents Mara's distance traveled.



2. A turtle swimming at a constant speed travels 12 miles by 3:00 P.M. and 28 miles by 7:00 P.M. Graph the line that represents the turtle's distance traveled.



Choose the best answer.

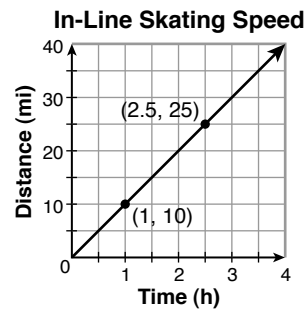
3. A hang glider who started at 7:55 A.M. has traveled at a constant speed as shown in the table.

Time	Distance Traveled
8:00 A.M.	2 mi
8:30 A.M.	14 mi

If the line that represents the hang glider's distance traveled is graphed, which is a true interpretation of the slope?

- A The hang glider is traveling at an average speed of 24 miles per hour.
- B The hang glider is traveling at an average speed of 16 miles per hour.
- C The hang glider is traveling at an average speed of 12 miles per minute.
- D The hang glider is traveling at an average speed of 7 miles per minute.

4. The line represents the distance traveled by an in-line skater traveling at a constant speed. What is the rate of change represented in the graph?



- F 25 mi/h
- G 15 mi/h
- H 10 mi/h
- J 0.1 mi/h