



PRACTICE



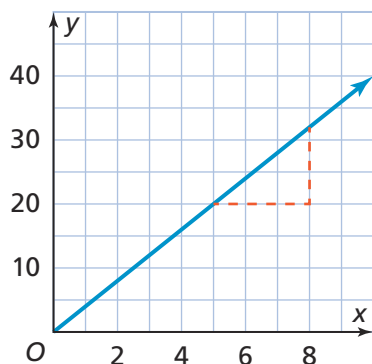
TUTORIAL

Name: _____

2-6 Additional Practice

Scan for
Multimedia**Leveled Practice** In 1 and 2, find the slope of each line.

1. Find the slope of the line.

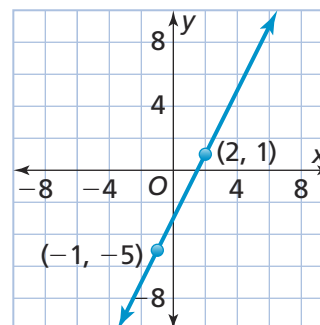


slope = $\frac{\text{rise}}{\text{run}}$

$$= \frac{\boxed{}}{\boxed{}} = \boxed{}$$

The slope is $\boxed{}$.

2. Find the slope of the line. Use the two points shown.



slope = $\frac{\text{rise}}{\text{run}}$

$$= \frac{1 - \boxed{}}{\boxed{} - \boxed{}}$$

$$= \frac{\boxed{}}{\boxed{}} = \boxed{}$$

The slope is $\boxed{}$.

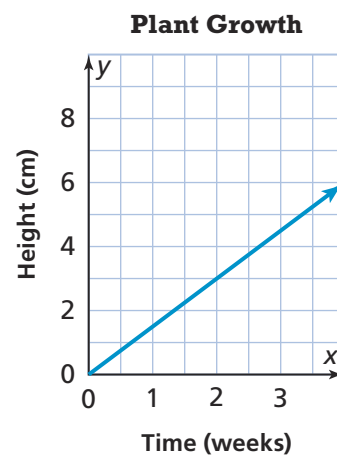
For 3 and 4, find the slope of the line that passes through the given points.

3. (0, 10) and (24, 6)

4. (0, 6) and (20, 14)

5. The graph shows the number of centimeters a particular plant grows over time.

a. What is the slope of the line?

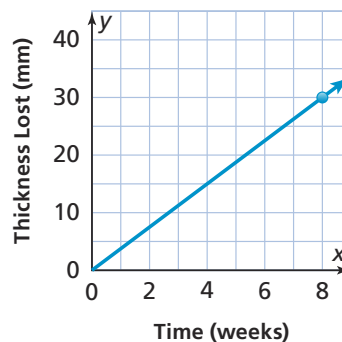
b. **Reasoning** What does the slope mean? © MP.2

6. A machinist measures the thickness of a grinding pad every week. The graph shows how many millimeters the grinding pad has worn down.

a. What is the slope of the line?

b. **Reasoning** What does the slope mean? ©MP.2

Grinding Pad Thickness



7. **Higher Order Thinking** You use a garden hose to fill a circular wading pool that is 83.6 cm deep. You measure the depth of the water in the pool every 2 minutes. The table shows the data.

a. What is the slope of the line that represents the change in the depth of the water?

b. What does this slope mean?

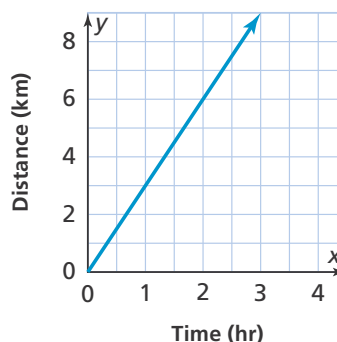
c. How many minutes will it take to fill the pool?

Filling a Wading Pool

Time (minutes)	Depth of Water (cm)
0	0
2	4.4
4	8.8
6	13.2
8	17.6
10	22.0

8. The graph shows the number of kilometers Gina swims. What is the slope of the line and what does it mean?

Distance Swimming



© Assessment Practice

9. Donald graphs the distance he walks over time. The graph passes through the points (3, 12) and (4, 16).

PART A

Find the slope of the line that passes through these points.

PART B

Is the slope between (1, 4) and (3, 12) the same as the slope between (3, 12) and (4, 16)? Explain.

Distance Walked

