

**2-3 Lesson Reading Guide****Slope****Get Ready for the Lesson**

Read the introduction to Lesson 2-3 in your textbook.

- What is the grade of a road that rises 40 feet over a horizontal distance of 1000 feet?
- What is the grade of a road that rises 525 meters over a horizontal distance of 10 kilometers? (1 kilometer = 1000 meters)

**Read the Lesson**

1. Describe each type of slope and include a sketch.

Type of Slope	Description of Graph	Sketch
Positive		
Zero		
Negative		
Undefined		

2. a. How are the slopes of two nonvertical parallel lines related?  
 b. How are the slopes of two oblique perpendicular lines related?

**Remember What You Learned**

3. Look up the terms *grade*, *pitch*, *slant*, and *slope*. How can everyday meanings of these words help you remember the definition of slope?