

GRAPHING LINEAR EQUATIONS AND FUNCTIONS

► *How do you solve the problem of transporting people up steep hills?*



CHAPTER

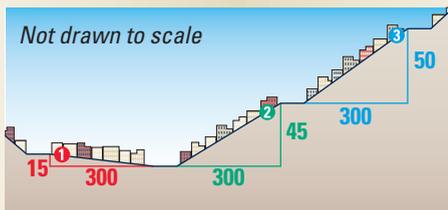
4

APPLICATION: Transportation

Before 1873, public transportation in San Francisco was provided by horse-drawn wagons. To design a transportation system, people needed a mathematical way to describe and measure steepness.

Think & Discuss

1. What are some other real-life situations when steepness is important? When is steepness helpful? When is steepness a problem?
2. How would you describe the steepness of the sections of street shown below?



(cross section of side view)

Learn More About It

Slope is a measure of steepness. You will calculate the slope of this street in Exercise 55 on p. 231.



APPLICATION LINK Visit www.mcdougallittell.com for more information about cable cars.

