Chapter 11 Pretest

1. How many meters are in 28 km?

2. Convert 35 km/h to a speed in m/s.

3. Rearrange the following equation to solve for d: $v = \frac{d}{t}$.

4. Rearrange the following equation to solve for v_f: $a = (v_f - v_i)/t$

5. What are the SI units for distance and time?

6. Which of the following describes the slope of a line?

   a. rise × run

   b. run/rise

   c. run − rise

   d. rise/run

ANSWERS
1. 2800 m
2. 0.97 m/s
3. $d = vt$
4. $v_i = at - v_i$
5. meters and seconds
6. d

7. If a graph uses units of meters on the vertical axis and units of seconds on the horizontal axis, what would be the units of the slope of a line on the graph?

8. Which of the following is true about a curved line on a graph?

   a. The slope is the same at every point.

   b. The slope of the line may be different at every point.

   c. The line has no slope.

   d. The slope of the line is zero.

ANSWERS
7. m/s
8. b