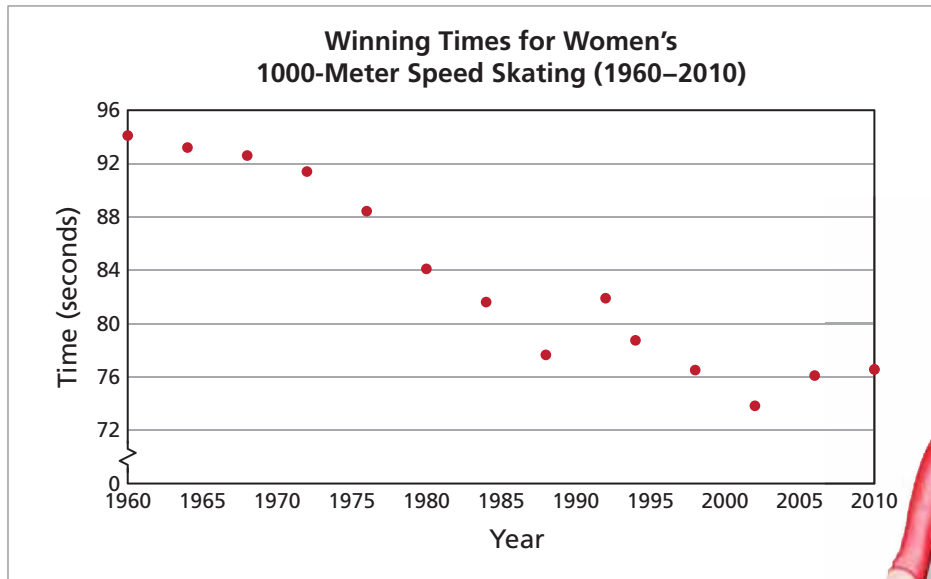














**Women's 1000-Meter Speed Skating** In Exercises 7–10, use the graph. (See Examples 3 and 4.)



7. Describe any patterns in the graph.
8. What is the Olympic record for the women's 1000-meter speed skating event?
9. What percent of the winning times were Olympic records?

**DATA** 10. Sketch a graph that shows the Olympic record for each year in the data set.

**DATA** 11. **Finishing Times** Graphically represent the top 12 times for the 2010 Olympic women's 1000-meter speed skating event (shown in seconds). (See Example 4.)

					
76.56,	76.58,	76.72,	76.78,	76.80,	76.94,
					
77.08,	77.28,	77.37,	77.43,	77.46,	77.53

**DATA** 12. **Men's 1000-Meter Speed Skating** The winning times (in seconds) for the men's 1000-meter speed skating event are shown. Sketch a graph and describe any patterns. (See Example 3.)

(1976, 79.32), (1980, 75.18), (1984, 75.80), (1988, 73.03), (1992, 74.85),  
 (1994, 72.43), (1998, 70.64), (2002, 67.18), (2006, 68.90), (2010, 68.94)