**OUTLIERS** A value that is widely separated from the rest of the data in a data set is called an **outlier**. Typically, a data value is considered to be an outlier if it is greater than the upper quartile by more than 1.5 times the interquartile range or if it is less than the lower quartile by more than 1.5 times the interquartile interquartile range.



## **13.8 EXERCISES**

**EXAMPLE 1** on p. 887

for Exs. 3–7

## HOMEWORK KEY

 WORKED-OUT SOLUTIONS on p. WS1 for Exs. 3 and 17
 TAKS PRACTICE AND REASONING Exs. 8, 9, 18, 19, 21, and 22

## **Skill Practice**

- **1. VOCABULARY** What is the interquartile range of a data set?
- 2. **WARRING** *Explain* how you can identify an outlier in a data set.

## **BOX-AND-WHISKER PLOTS** Make a box-and-whisker plot of the data.

**3.** 1, 7, 0, 7, 2, 6, 3, 6, 0, 7, 8

**5.** 52, 20, 24, 45, 35, 32, 39, 42, 23, 64

4. 10, 1, 7, 5, 1, 8, 5, 4, 6, 5, 9, 12
6. 0.8, 0.4, 0.3, 0.6, 0.7, 0.2, 0.7, 0.9