

LESSON  
6.6**Practice** *continued*  
For use with pages 398–403

- 19. DVDs** The average price of a standard DVD is \$15.99 with a standard deviation of \$4. Write an absolute value inequality that describes this range in prices.

- 20. Body Temperature** A canine's body temperature is considered to be normal if it is  $101^{\circ}\text{F}$  with an absolute deviation of  $1.5^{\circ}\text{F}$ .
- a. Write an absolute value inequality that represents the normal temperature range.

- b. Solve the inequality. What is the normal temperature range?

- 21. Baseball** A baseball should weigh 5.12 ounces with an absolute deviation of 0.035 ounce. The circumference of a baseball should be 9.05 inches with an absolute deviation of 0.05 inch.
- a. Write absolute value inequalities that represent the ranges for the weight and circumference of a baseball.

- b. Is a ball that weighs 5.16 ounces and has a circumference of 9 inches within the ranges that it should be? *Explain* why or why not.

- c. What are the maximum and minimum circumferences of a baseball?

- d. What are the maximum and minimum weights of a baseball?