

**10.5****Practice**

For use after Lesson 10.5

**Tell whether the number is written in scientific notation. Explain.**

1.  $14 \times 10^8$

2.  $2.6 \times 10^{12}$

3.  $4.79 \times 10^{-8}$

4.  $3.99 \times 10^{16}$

5.  $0.15 \times 10^{22}$

6.  $6 \times 10^3$

**Write the number in standard form.**

7.  $4 \times 10^9$

8.  $2 \times 10^{-5}$

9.  $3.7 \times 10^6$

10.  $4.12 \times 10^{-3}$

11.  $7.62 \times 10^{10}$

12.  $9.908 \times 10^{-12}$

13. Light travels at  $3 \times 10^8$  meters per second.

a. Write the speed of light in standard form.

b. How far has light traveled after 5 seconds?