Name Date

Practice A

10.5

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

 3.  4.  5. 

 6.  7.  8. 

Write the number in standard form.

 9.  10.  11. 

 12.  13.  14. 

 15. The average distance from Earth to the Sun is about  meters.
The average distance from Earth to the Moon is about  meters.

 a. Write the distance from Earth to the Sun in standard form.

 b. Write the distance from Earth to the Moon in standard form.

 c. Which is closer to Earth, the *Sun* or the *Moon*?

 16. A day is about  seconds.

 a. How many seconds are in 5 days? Write your answer in standard form.

 b. How many seconds are in 1 month (30 days)? Write your answer in standard form.

 c. How many seconds are in 1 year (365 days)? Write your answer in standard form.

 d. How many seconds are in 1 leap year (366 days)? Write your answer in standard form.

 e. What is the difference (in seconds) between 1 year and 1 leap year? Write your answer in both standard form and scientific notation.

Name Date

Practice B

9.5

Practice B

10.5

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

 3.  4. 

 5.  6. 

 7.  8. 

Write the number in standard form.

 9.  10. 

 11.  12. 

 13.  14. 

 15. The radius of Earth is about  meters. The radius of the Moon is about  meters. The radius of the Sun is about  meters.

 a. Which is the largest, *Earth*, the *Moon,* or the *Sun*?

 b. Which is the smallest, *Earth*, the *Moon,* or the *Sun*?

 c. Write the radius of Earth in standard form.

 d. Write the radius of the Moon in standard form.

 e. Write the radius of the Sun in standard form.

 16. A year is about  seconds.

 a. How many seconds are in 5 years? Write your answer in standard form.

 b. How many seconds are in half a year? Write your answer in standard form.

 c. How many seconds are in 1 month? Write your answer in standard form.