

Name _____

Date _____

Chapter 4 Test: Form A

Write each number in standard notation.

6. 5.67×10^4

7. 2.543×10^2

8. 7×10^5

9. 4.27×10^3

Write each number in scientific notation.

10. 3 million

11. 62,673

12. 290

13. 4 thousand

Estimate the value of each expression. Then use your calculator to evaluate it. Give your answers in scientific notation.

14. $(5.21 \times 10^{20}) + (1.23 \times 10^{20})$

15. $(3.24 \times 10^{15}) \times 3$

Evaluate each expression.

16. -2×6^{-2}

17. 4×3^{-3}

18. $-(2^{-2})^3$

19. $7^{-2} \div 7^3$

Decide whether each statement is true. If the statement is false, explain why.

20. $m^{-4} \times m^7 = m^{-28}$

21. $10^{-6} \div 5^{-6} = 2^{-6}$