

Concepts and Skills

Tell whether each number is written correctly in scientific notation. If incorrectly written, state the reason.

1 $10 \cdot 10^2$

2 $0.99 \cdot 10^{12}$

3 $1.4 \cdot 10^2$

4 $0.4 \cdot 10^{25}$

Write each number in scientific notation.

5 714,000

6 0.00087

Write each number in standard form.

7 $3.46 \cdot 10^2$

8 $5.4 \cdot 10^4$

Evaluate. Write your answer in scientific notation. Round the coefficient to the nearest tenth.

13 $2.44 \cdot 10^3 + 1.9 \cdot 10^5$

14 $3.12 \cdot 10^{-3} - 3 \cdot 10^{-3}$

15 $2.4 \cdot 10^{-2} \cdot 5 \cdot 10^{-1}$

16 $3.2 \cdot 10^8 \div (1.6 \cdot 10^4)$