

Name : \_\_\_\_\_

Mixed: ES4

## Scientific Notation - Standard

### Example: 1

Write  $2.804 \times 10^3$  in standard notation.

Here the exponent is 3. We should move the decimal point 3 places to the right.

$$\begin{array}{c} \text{2} \cdot \text{8} \text{0} \text{4} \\ \text{2.804} \times 10^3 = \mathbf{2,804} \end{array}$$

### Example: 2

Write  $5.69 \times 10^{-1}$  in standard notation.

Here the exponent is -1. We should move the decimal point 1 place to the left.

$$\begin{array}{c} 0 \cdot \text{5} \cdot \text{6} \text{9} \\ 5.69 \times 10^{-1} = \mathbf{0.569} \end{array}$$

Express each number in standard notation

1)  $5.63 \times 10^{-2}$  = \_\_\_\_\_

3)  $1.598 \times 10^0$  = \_\_\_\_\_

5)  $3.506 \times 10^{-1}$  = \_\_\_\_\_

7)  $8 \times 10^3$  = \_\_\_\_\_

9)  $9.2564 \times 10^{-4}$  = \_\_\_\_\_

11)  $7.015 \times 10^2$  = \_\_\_\_\_

12)  $6.029 \times 10^{-2}$  = \_\_\_\_\_

13)  $5.23 \times 10^{-3}$  = \_\_\_\_\_

14)  $7.48 \times 10^3$  = \_\_\_\_\_

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