

1. Convert the scientific notation to a number.

$$1 \times 10^0 =$$

$$1 \times 10^1 =$$

$$1 \times 10^2 =$$

$$1 \times 10^3 =$$

$$1 \times 10^4 =$$

$$1 \times 10^5 =$$

$$1 \times 10^6 =$$

$$1 \times 10^7 =$$

$$1 \times 10^8 =$$

$$1 \times 10^9 =$$

$$1 \times 10^{12} =$$

2. Convert the scientific notation to a number.

$$1 \times 10^{-6} =$$

$$1 \times 10^{-5} =$$

$$1 \times 10^{-4} =$$

$$1 \times 10^{-3} =$$

$$1 \times 10^{-2} =$$

$$1 \times 10^{-1} =$$

$$1 \times 10^0 =$$

3. Convert the scientific notation to a number.

$$7 \times 10^3 =$$

$$-4 \times 10^6 =$$

$$3 \times 10^{-1} =$$

$$-6 \times 10^{-3} =$$

4. Convert the number to scientific notation.

$$1,000 =$$

$$5,000 =$$

$$-70 =$$

$$-700 =$$

$$-8,000,000 =$$

$$60,000,000 =$$

$$0.3 =$$

$$0.0004 =$$

$$0.03 =$$

$$10 =$$

$$1 =$$

5. Convert the scientific notation to a number.

$$1.234 \times 10^3 =$$

$$5.678 \times 10^3 =$$

$$-7.8 \times 10^1 =$$

$$-7.89 \times 10^2 =$$

$$-8.9 \times 10^6 =$$

$$6.789 \times 10^7 =$$

$$3.4 \times 10^{-1} =$$

$$4.56 \times 10^{-4} =$$

$$3.4 \times 10^{-2} =$$

$$1.2 \times 10^1 =$$

$$6.022 \times 10^{23} =$$

6. Convert the number to scientific notation.

$$1,234 =$$

$$5,678 =$$

$$-78 =$$

$$-789 =$$

$$-8,900,000 =$$

$$67,890,000 =$$

$$0.34 =$$

$$0.000456 =$$

$$0.034 =$$

$$12 =$$

$$1.2 =$$

7.  $|2| =$   $|-2| =$

$|3| =$   $|-3| =$

$|4| =$   $|-4| =$

$|5-2| =$   $|2-5| =$

$|9-4| =$   $|4-9| =$

$|1 \times 10^6 - 1| =$   $|1 - 1 \times 10^6| =$

8. The absolute value of some number, call it “x,” is 5.  
What are the possible values    for mystery number “x?”

9.

$\sqrt{1} =$   $\sqrt{9} =$   $\sqrt{100} =$

$\sqrt{4} =$   $\sqrt{25} =$   $\sqrt{10,000} =$