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 <u>to</u> 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.

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

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