

Express these numbers in scientific notation.

1.  $0.0023 =$  \_\_\_\_\_

2.  $0.258 =$  \_\_\_\_\_

3.  $10.236 =$  \_\_\_\_\_

4.  $14,000 =$  \_\_\_\_\_

5.  $0.000036 =$  \_\_\_\_\_

6.  $2.52 =$  \_\_\_\_\_

Express these numbers in decimal notation.

1.  $4.36 \times 10^2 =$  \_\_\_\_\_

2.  $3.40 \times 10^{-3} =$  \_\_\_\_\_

3.  $2.67 \times 10^5 =$  \_\_\_\_\_

4.  $1.45 \times 10^{-2} =$  \_\_\_\_\_

5.  $5.02 \times 10^4 =$  \_\_\_\_\_

6.  $1.21 \times 10^{-7} =$  \_\_\_\_\_

Use your calculator to solve the following. Be sure to express your answer in scientific notation even if your calculator does not.

1.  $(3.0 \times 10^3) + (5.0 \times 10^3) =$  \_\_\_\_\_

2.  $(6.9 \times 10^3)(2.455 \times 10^4) =$  \_\_\_\_\_

3.  $\frac{(4.3 \times 10^9)(3.1 \times 10^{-3})}{(5.0214 \times 10^5)} =$  \_\_\_\_\_

4.  $(4.58 \times 10^{-5}) \div (3.2 \times 10^{-2}) =$  \_\_\_\_\_