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

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