

## Operations With Scientific Notation

Simplify. Write each answer in scientific notation.

$$1) (1.08 \times 10^{-3})(9.3 \times 10^{-3})$$

$$10.044 \times 10^{-6+1}$$

$$1.0044 \times 10^{-5}$$

$$2) (2 \times 10^{-4})(8.1 \times 10^{-1})$$

$$16.2 \times 10^{-5+1}$$

$$1.62 \times 10^{-4}$$

$$3) (2.32 \times 10^{-6})(4 \times 10^{-5})$$

$$9.28 \times 10^{-11}$$

$$4) (3.48 \times 10^3)(9.8 \times 10^4)$$

$$34.104 \times 10^7+1$$

$$3.4104 \times 10^8$$

$$5) (7.1 \times 10^{-5})(6.7 \times 10^{-6})$$

$$47.57 \times 10^{-11+1}$$

$$4.757 \times 10^{-10}$$

$$6) (6 \times 10^3)(9.91 \times 10^0)$$

$$59.46 \times 10^{3+1}$$

$$5.946 \times 10^4$$

$$7) \frac{7.1 \times 10^6}{8.2 \times 10^1}$$

$$0.865 \times 10^{5-1}$$

$$8.65 \times 10^4$$

$$8) \frac{5.4 \times 10^{-1}}{3.4 \times 10^1}$$

$$1.58 \times 10^{-2}$$

$$9) \frac{4 \times 10^4}{3.63 \times 10^{-4}}$$

$$1.10 \times 10^8$$

$$10) \frac{9 \times 10^{-5}}{9.24 \times 10^{-6}}$$

$$0.974 \times 10^{1-1}$$

$$9.74 \times 10^0$$

$$11) \frac{8.42 \times 10^3}{5 \times 10^2}$$

$$12) \frac{8.9 \times 10^6}{8.4 \times 10^6}$$

$$13) (8.9 \times 10^5)^4$$

$$14) (4 \times 10^{-5})^{-6}$$