

Name: _____ Class: _____ Date: _____

8th Grade Pre-Algebra Section 4.5 Worksheet

1. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

$$\left(5 \times 10^{-3}\right) \cdot \left(3 \times 10^6\right)$$

2. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

$$\frac{5 \times 10^{-2}}{8 \times 10^{-6}}$$

3. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

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

4. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

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

5. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

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

6. Evaluate. Write the answer in (a) scientific notation, and (b) decimal or standard notation.

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