

Name \_\_\_\_\_

# Multiplying Exponents

Simplify the following numbers and write the answer in scientific notation.

1)  $(5.2 \times 10^3) \times (3.4 \times 10^2)$  = \_\_\_\_\_

2)  $(6.3 \times 10^4) \times (5.5 \times 10^6)$  = \_\_\_\_\_

3)  $(12.2 \times 10^5) \times (4.3 \times 10^3)$  = \_\_\_\_\_

4)  $(25.7 \times 10^2) \times (4.9 \times 10^7)$  = \_\_\_\_\_

5)  $(7.3 \times 10^{-3}) \times (5.5 \times 10^5)$  = \_\_\_\_\_

6)  $(8.2 \times 10^{-8}) \times (4.2 \times 10^9)$  = \_\_\_\_\_

7)  $(9.3 \times 10^4) \times (5.7 \times 10^{-7})$  = \_\_\_\_\_

8)  $(8.25 \times 10^6) \times (14.6 \times 10^{-2})$  = \_\_\_\_\_

9)  $(7.4 \times 10^4) \times (3.2 \times 10^{-7})$  = \_\_\_\_\_

10)  $(8.2 \times 10^{-3}) \times (6.23 \times 10^5)$  = \_\_\_\_\_

11)  $(5.3 \times 10^6) \times (4.2 \times 10^2)$  = \_\_\_\_\_

12)  $(3.2 \times 10^5) \times (9.3 \times 10^{-8})$  = \_\_\_\_\_