

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Operations with Scientific Notation

Simplify. Write each answer in scientific notation. Round to the nearest thousandth if needed.

1)  $(7.5 \times 10^{-4})(7.66 \times 10^{-3})$

7)  $(9.54 \times 10^2)(5.7 \times 10^4)$

2)  $(1.7 \times 10^{-2})(2.8 \times 10^{-5})$

8)  $(8.55 \times 10^4)^2$

3)  $\frac{4.6 \times 10^{-6}}{9 \times 10^{-5}}$

9)  $\frac{8.7 \times 10^4}{9.03 \times 10^6}$

4)  $(2.8 \times 10^{-2})^2$

10)  $\frac{6.3 \times 10^4}{3 \times 10^6}$

5)  $(9.27 \times 10^4)(3 \times 10^3)$

11)  $\frac{4 \times 10^{-6}}{2 \times 10^{-3}}$

6)  $(6.7 \times 10^4)^3$

12)  $(3.5 \times 10^2)^{-2}$



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## Operations with Scientific Notation

Simplify. Write each answer in scientific notation. Round to the nearest thousandth if needed.

1)  $(7.5 \times 10^{-4})(7.66 \times 10^{-3})$

$5.745 \times 10^{-6}$

2)  $(1.7 \times 10^{-2})(2.8 \times 10^{-5})$

$4.76 \times 10^{-7}$

3)  $\frac{4.6 \times 10^{-6}}{9 \times 10^{-5}}$

$5.111 \times 10^{-2}$

4)  $(2.8 \times 10^{-2})^2$

$7.84 \times 10^{-4}$

5)  $(9.27 \times 10^4)(3 \times 10^3)$

$2.781 \times 10^8$

6)  $(6.7 \times 10^4)^3$

$3.008 \times 10^{14}$

7)  $(9.54 \times 10^2)(5.7 \times 10^4)$

$5.4378 \times 10^7$

8)  $(8.55 \times 10^4)^2$

$7.31 \times 10^9$

9)  $\frac{8.7 \times 10^4}{9.03 \times 10^6}$

$9.635 \times 10^{-3}$

10)  $\frac{6.3 \times 10^4}{3 \times 10^6}$

$2.1 \times 10^{-2}$

11)  $\frac{4 \times 10^{-6}}{2 \times 10^{-3}}$

$2 \times 10^{-3}$

12)  $(3.5 \times 10^2)^{-2}$

$8.163 \times 10^{-6}$

