

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

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

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

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

## Operations with Scientific Notation

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

1)  $(9.4 \times 10^{-2})(6 \times 10^{-3})$

7)  $(9 \times 10^2)(3 \times 10^5)$

2)  $(9.6 \times 10^{-4})(1.38 \times 10^{-5})$

8)  $\frac{2 \times 10^{-2}}{7.8 \times 10^{-6}}$

3)  $(2 \times 10^5)^{-2}$

9)  $(7.38 \times 10^6)^2$

4)  $(9 \times 10^5)(7.46 \times 10^6)$

10)  $\frac{1.15 \times 10^3}{6.9 \times 10^6}$

5)  $(1.2 \times 10^6)^{-3}$

11)  $(2.5 \times 10^6)^3$

6)  $\frac{9 \times 10^4}{9.42 \times 10^2}$

12)  $\frac{6 \times 10^{-3}}{9.47 \times 10^{-6}}$



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## Operations with Scientific Notation

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

1)  $(9.4 \times 10^{-2})(6 \times 10^{-3})$

$5.64 \times 10^{-4}$

2)  $(9.6 \times 10^{-4})(1.38 \times 10^{-5})$

$1.3248 \times 10^{-8}$

3)  $(2 \times 10^5)^{-2}$

$2.5 \times 10^{-11}$

4)  $(9 \times 10^5)(7.46 \times 10^6)$

$6.714 \times 10^{12}$

5)  $(1.2 \times 10^6)^{-3}$

$5.787 \times 10^{-19}$

6)  $\frac{9 \times 10^4}{9.42 \times 10^2}$

$9.554 \times 10^1$

7)  $(9 \times 10^2)(3 \times 10^5)$

$2.7 \times 10^8$

8)  $\frac{2 \times 10^{-2}}{7.8 \times 10^{-6}}$

$2.564 \times 10^3$

9)  $(7.38 \times 10^6)^2$

$5.446 \times 10^{13}$

10)  $\frac{1.15 \times 10^3}{6.9 \times 10^6}$

$1.667 \times 10^{-4}$

11)  $(2.5 \times 10^6)^3$

$1.563 \times 10^{19}$

12)  $\frac{6 \times 10^{-3}}{9.47 \times 10^{-6}}$

$6.336 \times 10^2$

