

NAME: _____

DATE: _____

TEACHER: _____

Algebra Operations Scientific Notation Raised to a Power Negative Exercise Worksheets (3)

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

1) $(4.49 \times 10^{-3})^2$

7) $(4.41 \times 10^{-3})^{-2}$

2) $(7 \times 10^3)^{-3}$

8) $(5 \times 10^{-3})^2$

3) $(5.2 \times 10^2)^{-2}$

9) $(8.06 \times 10^2)^{-2}$

4) $(1.98 \times 10^{-3})^{-3}$

10) $(4.3 \times 10^{-2})^{-2}$

5) $(7.1 \times 10^{-2})^2$

11) $(5.98 \times 10^{-2})^2$

6) $(5.7 \times 10^{-3})^{-2}$

12) $(4.33 \times 10^4)^{-2}$

Algebra Operations Scientific Notation Raised to a Power Negative Exercise Worksheets (3)

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

1) $(4.49 \times 10^{-3})^2$

2.016×10^{-5}

7) $(4.41 \times 10^{-3})^{-2}$

5.142×10^4

2) $(7 \times 10^3)^{-3}$

2.915×10^{-12}

8) $(5 \times 10^{-3})^2$

2.5×10^{-5}

3) $(5.2 \times 10^2)^{-2}$

3.698×10^{-6}

9) $(8.06 \times 10^2)^{-2}$

1.539×10^{-6}

4) $(1.98 \times 10^{-3})^{-3}$

1.288×10^8

10) $(4.3 \times 10^{-2})^{-2}$

5.408×10^2

5) $(7.1 \times 10^{-2})^2$

5.041×10^{-3}

11) $(5.98 \times 10^{-2})^2$

3.576×10^{-3}

6) $(5.7 \times 10^{-3})^{-2}$

3.078×10^4

12) $(4.33 \times 10^4)^{-2}$

5.334×10^{-10}