Date ____

Evaluating Negative Exponents Lesson

84 **Contract Service Report**

Positive exponents tell us how many times we **multiply** a number.

Example: $8^4 = 8 \times 8 \times 8 \times 8 = 4,096$

8-4 Negative Exponent

A negative is the opposite of a positive. The same is true of exponents.

Negative exponents tell us how many times we divide a number.

Example: $8^{-4} = 1 \div 8 \div 8 \div 8 \div 8$

You could also simplify negative exponents by making it equal to 1 over the positive exponent of itself.

Example: 8⁻⁴ = 1 ÷ (8 x 8 x 8 x 8) or $\frac{1}{8^4}$

= 1/4,096 = 0.0002

Tons of Free Math Worksheets at: ©<u>www.mathworksheetsland.com</u>

