Unit 11 Video Study Guide  
<https://www.youtube.com/user/NHSAlgebra1>

**Part 1: Multiplying Monomials**

Write down and follow along with ***both*** examples. Circle the final answer!

1. 2.)

**Part 2: Dividing Monomials**

1. When you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ monomials, you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the exponents.
2. Do ***Example 2*** with Mrs. Williams & show each step:

**Part 3: Dividing Monomials with negative exponents**

1. No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ exponents. Move them!
2. Write down and simplify ***Example 3*** with Mr. Flores! Show each step & circle the answer.

**Part 4: Scientific Notation**

1. Who is our guest speaker? ☺ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. When you move the decimal to the *left*, the exponent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

When you move the decimal to the *right*, the exponent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Write down and simplify ***Example 1***. Circle the final answer!