NC Math 1B Unit 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:

**Homework Lesson 5.5: Zero and Negative Exponents**

**Write each expression in simplest form.**

1.  2. $\frac{30x^{0}y^{-2}}{15y^{-4}}$

3.  4. 

5.  6. 

7. $(4x)^{0}y^{9}$ 8. $\frac{(3x)^{0}y^{5}}{x^{-6}y^{-2}}$

9. $\frac{-30a^{-1}b^{-6}}{60a^{-6}b^{-8}}$ 10. $\left(\frac{12x^{-3}y^{-2}z^{-8}}{30x^{-6}y^{-4}z^{-1}}\right)^{0}$