

Name \_\_\_\_\_  
Mrs. Roubos

Date \_\_\_\_\_  
8R Period \_\_\_\_\_

### Homework

#### I. Write the following in exponential form:

1)  $2 \bullet 2 \bullet 2 \bullet 2 =$

2)  $4 \bullet 4 \bullet 4 \bullet 5 \bullet 5 =$

3)  $yyyyyyyyy =$

4)  $mmmllll =$

#### II. Write the following in expanded form and then solve:

5)  $3^5 =$

6)  $2^4 \bullet 3^2 =$

7)  $3^3 \bullet 4^2 =$

8)  $x^3 =$

#### III. Simplify the following:

9)  $6^0 =$

10)  $5^{-2} =$

11)  $n^{-4} =$

12)  $(3x)^0 =$

13)  $2^{-4} =$

14)  $(-4)^{-3} =$

15)  $x^{-5} =$

16)  $2^{-3} =$

17)  $b^0 =$