

# HW for Monday Night 11-7-2016

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

**LESSON** **Practice B**  
**1-3** **Exponents**

Write each expression in exponential form.

1.  $9 \cdot 9$   
\_\_\_\_\_

2.  $7 \cdot 7 \cdot 7$   
\_\_\_\_\_

3.  $1 \cdot 1 \cdot 1 \cdot 1 \cdot 1$   
\_\_\_\_\_

4.  $5 \cdot 5 \cdot 5 \cdot 5$   
\_\_\_\_\_

5.  $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$   
\_\_\_\_\_

6.  $10 \cdot 10 \cdot 10 \cdot 10$   
\_\_\_\_\_

Find each value.

7.  $6^2$   
\_\_\_\_\_

8.  $5^3$   
\_\_\_\_\_

9.  $10^3$   
\_\_\_\_\_

10.  $7^2$   
\_\_\_\_\_

11.  $2^5$   
\_\_\_\_\_

12.  $3^4$   
\_\_\_\_\_

13.  $25^1$   
\_\_\_\_\_

14.  $16^0$   
\_\_\_\_\_

Compare using  $<$ ,  $>$ , or  $=$ .

15.  $8^0$    $7^1$

16.  $10^2$    $11^2$

17.  $8^2$    $4^3$

18.  $3^4$    $5^2$

19.  $2^5$    $9^2$

20.  $6^2$    $3^3$

21. What whole number equals 25 when it is squared and 125 when it is cubed?  
\_\_\_\_\_

22. Use exponents to write the number 81 three different ways.  
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