

Name _____

Agenda 01/06/14

Standard:

- **8.EE.A.1** Know and apply the properties of integer exponents to generate equivalent numerical expressions.
- **MP.MP3** Construct viable arguments and critique the reasoning of others.

Essential Questions:

- How do I interpret exponential expressions ?
- How do I solve exponential expressions?

Activities

- 1. Warm up – Power Review (5 – 10 min)**
- 2. Strategies for Multiplying and Dividing Exponents (10-15 min)**
- 3. Corrections (10-15 min)**
- 4. Exponent Jeopardy (25 Min)**
- 5. Exponent Practice**
- 6. Exit Ticket**

Name _____

Powers Review

Complete the table by writing the power trees for the two bases stated below.

<u>Power</u>	<u>Base (-4)</u>	<u>Base (5)</u>
0		
1		
2		
3		
4		

Name _____

Strategies

- 1. Describe the strategy that you use to multiply exponents.**
- 2. Describe the strategy that you use to divide exponents.**

Corrections

Correct the mistake in the given problem.

- 1. State the type of error**
- 2. present the corrected problem**
- 3. listen and judge others.**

Name : _____

Score : _____

Teacher : _____

Date : _____

Evaluate the Exponents

1) $(10)^0 =$ _____

11) $(-6)^0 =$ _____

2) $(8)^0 =$ _____

12) $(9)^2 =$ _____

3) $(-12)^1 =$ _____

13) $(4)^3 =$ _____

4) $(-7)^3 =$ _____

14) $(-2)^0 =$ _____

5) $(-9)^1 =$ _____

15) $(3)^1 =$ _____

6) $(2)^2 =$ _____

16) $(-4)^1 =$ _____

7) $(-5)^4 =$ _____

17) $(2)^3 =$ _____

8) $(-10)^4 =$ _____

18) $(6)^4 =$ _____

9) $(5)^4 =$ _____

19) $(-2)^2 =$ _____

10) $(12)^3 =$ _____

20) $(-3)^2 =$ _____



Name : _____

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Evaluate the Exponents

1) $(10)^3 =$ _____

11) $(-8)^0 =$ _____

2) $(-2)^1 =$ _____

12) $(-12)^0 =$ _____

3) $(12)^1 =$ _____

13) $(4)^3 =$ _____

4) $(-10)^0 =$ _____

14) $(7)^4 =$ _____

5) $(-7)^1 =$ _____

15) $(6)^2 =$ _____

6) $(-2)^2 =$ _____

16) $(3)^4 =$ _____

7) $(-5)^2 =$ _____

17) $(-4)^4 =$ _____

8) $(2)^2 =$ _____

18) $(3)^3 =$ _____

9) $(9)^4 =$ _____

19) $(-9)^1 =$ _____

10) $(8)^0 =$ _____

20) $(-6)^3 =$ _____



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Exit Ticket

<u>1</u>	$3^4 \times 3^2 =$
<u>2</u>	$4^3 \times 4^2 =$
<u>3</u>	$5^4 \div 5^2 =$
<u>4</u>	$10^7 \div 10^4 =$