Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Kobrin/Losquadro Math 8

**Exponents Final Review 7**

1. Rewrite the following problem using an exponent

 63 • 63 • 63 • 63 • 63

* 1. 633
	2. 634
	3. 635
	4. 636

1. What is the value of x • x5?
	1. x2
	2. x4
	3. x6
	4. x9
2. What is the value of (122)4?
	1. 126
	2. 128
	3. 122
	4. 1442
3. Which of the following is equal to x6?
	1. (x2)2
	2. (x3)2
	3. (x3)(x2)
	4. (x2) • 2
4. What is the value of ?
	* 1. 
		2. 
		3. 
		4. 
5. What is the value of ?

 a. 

 b. 

 c. 

 d. 

1. Which is equivalent to the expression ?
	1. 148
	2. 144
	3. 20
	4. 16
2. What is the value of ?

 a. 

 b. 

 c. 

 d. 

1. Knowing that the pattern in the ones place of the number 2 raised to a power is 2, 4, 8, 6, what will the ones place be when 2 is raised to the 19th power (219)?
	1. 2
	2. 4
	3. 8
	4. 6

**Part II – All Work MUST BE SHOWN**

1. Simplify 
2. Evaluate the expression 7-2 • (12 – 2)0 + (4 + 1)1

**For Questions 12 - 18 Simplify each expression (Remember your final answer cannot have negative exponents)**

1. 6-3
2. 80
3. 
4. 4-2 ∙ 42
5. 16x3 ∙ 2x-4
6. $\frac{24x^{4}}{6x^{6}}$
7. (2x3)4