Unit 1 Study Guide: Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Find in your notebook an example of long division. Rework the problem and try to arrive at the same correct answer.**

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| Find a long division example in your notebook and write the problem below. | Reworked Answer? Does your new work match the   correct answer from class? |

**Find in your notebook the 1st page of Basic Exponents.**

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| What is the most common mistake made when solving basic problems with exponents? |  |
| Find **2** examples in your notebook  1.  2. | Reworked Answer? Does your new work match the   correct answer from class?  1.  2. |

**Solve the following problems.**

1. **70 = 40 = 50 =**
2. **13 = 19 = 120 =**
3. **41 = 51 = 71 =**

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| It is important to understand how to determine what numbers are a result of a base being squared B2  Determine what number was raised to the 2nd power to result in the given value. | 1. 25 2. 49 3. 100 |

**Go to the page in your notebook on Exponent Rules. Find an example problem for when a fraction is raised to an exponent.**

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| Rewrite the problem here | Reworked Answer? Does your new work match   the correct answer from   class? |

**Go to the page in your notebook on Order of Operations.**

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| Write down the chart that tells you the correct order to perform multi-step math calculations. |  |
| How do you know what order you multiply or divide in? |  |

**Find Examples of Order of Operation Problems**

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| What should your problems look like when you show your work? |  |
| Find **2** examples in your notebook  1.  2. | Reworked Answer? Does your new work match the   correct answer from class?  1.  2. |

**Think about word problems:**

|  |  |
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| Find an example of an exponent word problem. How do you identify the Base number from the exponent? |  |
| What is C.U.R.E.? What should I see when you CURE a word problem |  |