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

My CEUA 1 is on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**CEUA 1 STUDY GUIDE** Mrs. Zuzu

**Directions**: Below is a guide to study from for your CEUA 1. Make sure you have your answers to the problems check.

**\*\* If you have any questions about the problems below. PLEASE stay with Mrs. Zunich 10th period to prepare for this exam!**

1. Simplify the expressions below.

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| Steps when using the product rule. |
| 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the base. 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the exponents/powers. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the coefficients. |

1. b)
2. Write an equivalent expression for the expressions below.

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| Steps when using the quotient rule. |
| 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the base. 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the exponents/powers. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the coefficients. |

1. Using your knowledge of exponents, simplify the following expressions.

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| Steps for power to a power | Steps when using the product rule. |
| 1. Expand. 2. Follow the \_\_\_\_\_\_\_\_\_\_\_\_ rules. | 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the base. 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the exponents/powers. 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the coefficients. |

1. Write with using only positive exponents.

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| **Rule for Negative Exponents.** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. Anything that has an exponenet with \_\_\_\_\_\_\_\_\_ equals \_\_\_\_\_\_\_\_\_.
2. Write an equivalent expression.
3. ii. .