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

**Homework: Monday, September 19, 2015**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COMPUTERS** The byte is the fundamental unit of computer processing. The byte is based on powers of 2, as shown in the table. How many times greater is a gigabyte than a megabyte?   |  |  | | --- | --- | | **Memory Term** | **Number of Bytes** | | byte | or 1 | | kilobyte |  | | megabyte |  | | gigabyte |  | | What is the best approximation for ?  Simplify the following expression: |
| Simplify  a. -2 b. 80  c. d. | Is -33 a rational number? Which Real Number set(s) does it belong to? |

**Homework: Tuesday, September 20, 2016**

|  |  |
| --- | --- |
| Write the equivalent fraction to the following:  0 | **TEST** The teacher marked Silvano’s problem wrong on his test.  Explain what he did wrong and give the correct answer. |
| **Simplify.**  **a. b.**  **c.**  **d.** | Simplify  **e. f.**  **g. h.** |

**Homework: Wednesday, September 21, 2016**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺NO WORK! NO CREDIT!***

|  |  |
| --- | --- |
| **CRAFTS** Numa loves beads and wants to know which amount would be more, a thousand beads or beads? | **GAMING** A video-game designer is using the expression in a program to determine points earned, where *n* is the game level. Simplify the expression for the level. |
| Write the equivalent fraction to the following: | **Simplify**  **a.**  **b.**  **c.**  **d.** |

**Homework: Thursday, September 22, 2016**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺NO WORK! NO CREDIT!***

|  |  |
| --- | --- |
| **Simplify using only positive exponents.** | **TRAVEL** The formula *s* can be used to find the speed *s* of a car in miles per hour when the car needs *d* feet to come to a complete stop after slamming on the brakes. If it took a car 12 feet to come to a complete stop after slamming on the brakes, estimate the speed of the car. |
| **Order from least to greatest.**  **a.** 8, 10, , **b.** , 9, 6, | **Simplify**  **a. b.**  **c.**  **d.** |