Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_ Number:\_\_\_\_\_\_\_\_\_

Math 8/8H

**Unit 1-4 Review HW – SHOW YOUR WORK.**

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| --- | --- |
| 1. Is 7 a rational number?   YES or NO  Prove it below. | 1. Change the following decimal into a fraction. |
| 1. Is 0.344555666677777… a ration number?   YES or NO  Why? | 1. Change the following decimal into a fraction. |
| 1. Convert into a decimal by hand. | 1. Put these numbers in order from least to greatest.   \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ |
| 1. What are the four types of rational numbers? | 1. Put these numbers in order from least to greatest.   \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ |
| 1. Simplify the following expression: | 1. A quarter has a mass of kg and a penny has a mass of kg. How many times bigger is the quarter than the penny? |
| 1. Simplify the following expression: | 1. Simplify the following expression: |
| 1. Solve the following equation: | 1. Solve the following equation: |
| 1. Write the equation that goes with the following graph: | 1. I love parrots. I actually steal them. So, on average, when I’m in a room full of pirates, I can steal 1 parrot every 3 minutes. I had some pet parrots already too. After 12 minutes, I had 8 parrots total. 2. Make a table to go with my situation.  |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  |  1. Make an equation to go with my situation. 2. What does the y-intercept mean? |
| 1. Solve the equation. | 1. Solve the equation. |
| 1. Solve the equation. | 1. Solve the equation. |
| 1. For the function, find. |  |
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