**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Teacher / Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Intermediate II Unit 14 – Study Guide**

|  |  |
| --- | --- |
| Standard: 8.NS.1 - I can show that every number has a decimal. I can change every repeating decimal into a rational number (fraction). I can understand that the square root of 2 is irrational. | |
| **Directions:** Name all sets of numbers to which each of these real numbers belong.  Use W= Whole, Z= Integer, Q=Rational, and = Irrational. **Justify your answer.** | |
|  | -22 |
| .63333… | 0.5555…..  -3/4 |
| 73.2 |  |
| **Directions**: Answer the following. Show All Work. Justify your reasoning. | |
| Which point is closest to on the number line: A, B, C, or D?  What point is closest to on the number line: A, B, C or D? | Circle the number(s) between 3.2 and .      3 |
| **Directions**: Change each fraction into a decimal. Show All Work | |
|  |  |
|  |  |
| Standard: 8.NS.2 - I can use rational approximations to locate and plot irrational numbers on a number line and estimate the value of the expression. I can use estimate values to compare two or more irrational numbers. | |
| **Directions**: Order the following numbers from **greatest to least**. Show all your work. | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |     Order Least to Greatest:  5.2 (-2)^2 11/2 | |