Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_\_

**7.4A Classifying Real Numbers\_Classwork**

*Objective: define and identify real numbers; approximate square roots; compare real numbers. CC.SS.8.NS.1\_MP1*

*HW: 7.1 Practice Review/ 7.2 Practice Review (handout)*

*Video:* [*https://www.youtube.com/watch?v=0OwvN-957aE*](https://www.youtube.com/watch?v=0OwvN-957aE)



|  |  |
| --- | --- |
| **Words** | **Definitions and Examples** |
| Real Numbers | All \_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #’s |
| Rational #’s**\*Terminating Decimals****\*Repeating Decimals** | All \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #’s Ex’s:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #’s Ex’s: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ex’s: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ex’s: SQUARE ROOTS OF \_\_\_\_\_\_\_\_\_\_ SQUARES Ex’s:  CUBE ROOTS OF \_\_\_\_\_\_\_\_\_\_\_ CUBES Ex’s:DECIMALS (terminating or repeating)Decimals that \_\_\_\_\_\_\_\_\_\_ (terminate) Ex’s:Decimals that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a patternEx’s:  |
| Irrational #’s | Non-\_\_\_\_\_\_\_\_\_\_\_\_/ Non-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Decimals Ex’s:Square roots of #’s that are NOT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Ex’s:Cube roots of #’s that are NOT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Ex’s: |
| Integers | Positive, negative whole numbers, and zeroExamples of Integers:Examples of NON-Integers: |
| Whole Numbers |  |
| Natural Numbers |  |

PRACTICE PROBLEMS: Mark an X for each category that applies.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Number | Real | Rational | Irrational | Integer | Whole | Natural |
| 1 | -6 |  |  |  |  |  |  |
| 2 | 0.593672… |  |  |  |  |  |  |
| 3 | 0 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 | 2.393939… |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 | √25 |  |  |  |  |  |  |

Video: <https://www.youtube.com/watch?v=IK0OR2vg_Qc>