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

**7.4A NOTES (Classifying Real Numbers)**

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

*HW: 7.4A Homework (handout)*

#’s = numbers



|  |  |
| --- | --- |
| **Words** | **Definitions and Examples** |
| Real Numbers | All \_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #’s |
| Rational #’sCan be written as a fraction\*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: |

**PRRACTICE 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 |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| 10 | 2.536 |  |  |  |  |  |  |

[*https://www.youtube.com/watch?v=vbPUS-0Wbv4*](https://www.youtube.com/watch?v=vbPUS-0Wbv4)

*https://www.youtube.com/watch?v=\_iE3iTOsE08*

[*https://www.youtube.com/watch?v=0OwvN-957aE*](https://exchange.sandi.net/owa/redir.aspx?C=LwJ5Y9LiHzejL3pvL5xgmhZBvI1XUGjkPfavT44axcoGoNnmoS_WCA..&URL=https%3a%2f%2fwww.youtube.com%2fwatch%3fv%3d0OwvN-957aE)

