

Name: _____ Period: _____

Choose *either* rational or irrational then check *one* reason (terminating, non-terminating repeating or non-terminating non-repeating).

| Number | Rational | Irrational | | Terminating | Non-terminating & repeating | Non-terminating & Non-repeating |
|-------------|----------|------------|--|-------------|-----------------------------|---------------------------------|
| 6 | | | | | | |
| π | | | | | | |
| $\sqrt{64}$ | | | | | | |
| $\sqrt{7}$ | | | | | | |
| $35/7$ | | | | | | |
| -2.2 | | | | | | |
| 0.652... | | | | | | |
| 3.14 | | | | | | |

Arrange these lists in order from greatest to least:

4.88, $\sqrt{488}$, -4.88, 488 _____

$\sqrt{49}$, -49, 0.7, 0.777... _____

-12, -8, 0, $\sqrt{12}$, $\sqrt{8}$ _____

$6/7$, $-6/7$, 6.777, $\sqrt{677}$ _____