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

7.4A HW – The Real Number System

Mark an X for each category that applies.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Number | Real | Rational | Irrational | Integer | Whole | Natural |
| 1 | -8 |  |  |  |  |  |  |
| 2 | 59% |  |  |  |  |  |  |
| 3 | 0 |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 | 3.43952… |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 | √11 |  |  |  |  |  |  |
| 8 | √36 |  |  |  |  |  |  |
| 9 | 1 |  |  |  |  |  |  |
| 10 | ½ |  |  |  |  |  |  |
| 11 | -3 |  |  |  |  |  |  |
| 12 | 4.75 |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |
| 14 | 1% |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |
| 18 | 5√2 |  |  |  |  |  |  |
| 19 | 2√3/3 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |
| 22 | 1,000,000 |  |  |  |  |  |  |
| 23 | -4982 |  |  |  |  |  |  |
| 24 | 17.1 |  |  |  |  |  |  |
| 25 | -17.1 |  |  |  |  |  |  |
| 26 | 3 |  |  |  |  |  |  |
| 27 | √9 |  |  |  |  |  |  |
| 28 | 3/1 |  |  |  |  |  |  |
| 29 | 3.0 |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |

BACK 🡪

**7.3 Pythagorean Theorem Review**

Find the hypotenuse *c* of the right triangle with the given   
side lengths *a* and *b*.

1.  2. 

3.  4. 

Find the side length *b* of the right triangle with the given hypotenuse *c* and side length *a*.

5.  6. 

7.  8. 