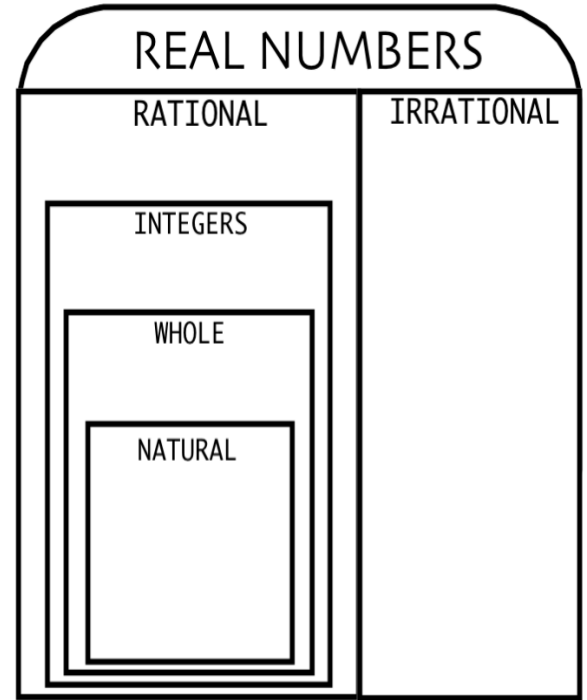


Name: _____

Period: ____

Number Classification Worksheet

1) Re-write each number in the Venn Diagram where it belongs.



- | | | | |
|---------------|--------------|-----------|-----------------|
| -19 | 1. $\bar{2}$ | 0 | 3 |
| $\sqrt{10}$ | $\sqrt{81}$ | 3.456 | $-\frac{6}{11}$ |
| -1.48298..... | | $\pi + 3$ | -44 |

2) List all classifications of the number.

- a) $\sqrt{10}$ _____
- b) -44 _____
- c) 3 _____
- d) $-\frac{6}{11}$ _____

3) Check all boxes that apply to the number.

	Natural	Whole	Integer	Rational	Irrational	Real
a)	$\sqrt{81}$					
b)	1. $\bar{2}$					
c)	0					
d)	13					

More on back →

True or False? If false, correct the statement.

4) If a number is in integer, then the number is also rational. _____

5) If a number is real, then it is also rational. _____

6) 3.456 is an irrational number. _____

7) $\sqrt{11}$ is a real number. _____

8) Zero is an natural number. _____

9) 9 is an integer. _____

10) If a number is natural, then it also whole. _____

Short Answer.

11) Name a number that is an integer, but not whole. _____

12) Give an example of an irrational number that was not already used on this worksheet or our notes. _____

13) Give an example of a rational number that was not already used on this worksheet or our notes. _____

SELECTED ANSWERS BELOW: *(the rest will be shown in class tomorrow)*

2) a) irrational, real

c) natural, whole, integer, rational, real

3) a) check all boxes *except* irrational

c) check whole, integer, rational, and real (not natural, not irrational)

5) False. Real numbers can be irrational too.

7) True.

9) True.

11) Examples: -3 , -21 , -10 ...(any negative number without fraction or decimals would work).

13) Any number would work as long as it did not go on forever in an un-repeating pattern.