

## Real Numbers Homework Exercises for Section 1.2

State if true or false and give a reason if the statement is false. Answers will be reviewed in class.

1.  $\{0,1,2,3,\dots\}$  is the set of Integers. T F
2. All Natural Numbers are Whole Numbers. T F
3.  $\{1,2,3,\dots\}$  is the set of Nonnegative Integers. T F
4.  $\sqrt{81}$  is an Irrational Number. T F
5. The set of Integers is a subset of the set of Rational Numbers. T F
6.  $\{0,1,2,3,\dots\}$  is the set of Positive Integers. T F
7. All Real Numbers are Rational Numbers. T F
8.  $|a|$  is always a positive number. T F
9. All Rational Numbers are Real Numbers. T F
10. 3.14 is an Irrational Number. T F