

Intermediate Algebra Quiz 3 Solution Summer 2010

NAME: _____ Score _____ /10
Please **print** your name

1. The set A is a **subset** of the set B if every element of set A is an element of set B.
2. The set of **Irrational** Numbers consists of all numbers which cannot be written as fractions.
3. Write the interval (3, 8] in set-builder notation **$\{x|3 < x \leq 8\}$**
4. An inequality is a mathematical statement which contains an **inequality** symbol.
5. An equation is a mathematical statement which contains an **equal** symbol.
6. A **conditional** equation is an equation which is true when some real numbers are substituted for the variables and is false when some real numbers are substituted for the variables.
7. The collection of all solutions of an equation is called the **solution set** of the equation.
8. The collection of all solutions of an inequality is called the **solution set** of the inequality.
9. Two equations are **equivalent** if they have the same solution sets.
10. Two inequalities are **equivalent** inequalities if they have the same solution sets.