

**Intermediate Algebra    Quiz 1    Summer 2010**

NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

Please **print** your name

**SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION**

1. A **variable** is a letter or a subscripted letter which represents a number or any other algebraic expression.
2. A formula must be an **equation**.
3. The formula for the area of a circle with radius  $r$  is:  $A = \pi r^2$ .
4. The formula for the area of a triangle with base  $b$  and height  $h$  is  $A = \frac{1}{2}bh$ .
5. The formula for the circumference of a circle with radius  $r$  is:  $C = 2\pi r$ .
6. The Null Set (or Empty Set) is the set with **no elements**.
7. The symbol  $\in$  means "is an element of".
8. The set  $A$  is a **subset** of the set  $B$  if every element of set  $A$  is an element of set  $B$ .
9.  $\{2, 8, 4, 9\}$  is an example of the **roster** method for specifying a set.
10. To factor means to write as a **product**.