

## Solution College Algebra Quiz 10

Name \_\_\_\_\_ Score \_\_\_\_\_

**Please Print Clearly**

1. T **F** If both sides of an equation are multiplied by an expression, the resulting equation is equivalent to the original equation
2. T **F** If a algebraic expression is added to both sides of an equation, the resulting equation is equivalent to the original equation.
3. T **F** If both sides of an equation are squared, the resulting equation is equivalent to the original equation.
4. T **F** If two equations have the same solution set they are equal equations
5. T **F** A quadratic function a polynomial function
6. T **F** If g is a function, then g(5) is the unique range element associated with the domain element 5 by the function g.
7. T **F** A zero of a function is in the range of the function.
8. Two equations are **equivalent** if they have the same solution set.
9. The equation of a circle with center at (w, p) and radius t is  $(x-w)^2 + (y-p)^2 = t^2$
10. Complex zeros of polynomial functions occur in **conjugate pairs**.