Intermediate Algebra **Quiz 9** **Summer 2010**

NAME: _____Score_____/10

Please **print** your name

1. T F If both sides of an equation are multiplied by the same thing, the resulting equation is equivalent to the original equation.

2. Simplify $\dfrac{\dfrac{2}{x}+\dfrac{1}{x^2}}{\dfrac{y}{x^2}} =$

3. Simplify $\dfrac{x^{-1}+1}{x^{-1}-1} =$

4. You are to read the work I have done and then complete the Problem: Solve $\dfrac{x+6}{x-2} = \dfrac{2(x+2)}{x-2}$.

Solution: Multiply both sides of the equation by x – 2 to obtain

$x + 6 = 2(x + 2)$

$x + 6 = 2x + 4$ Add $-x - 4$ to both sides to obtain

$2 = x$ You must finish the problem.