Quiz 5 – 31 August Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. If we have the algebraic expression , the domain of the variable x is the set \_\_\_\_\_\_\_.
   1. {x|x≠5}
   2. {x|x>0}
   3. {x|x≥0}
   4. {x|x is a number}
2. Why is the domain of the variable y in the expression equal to the set {y|y≠ }?
   1. All real numbers can be substituted for x in the expression.
   2. y= forces us to divide by zero
   3. If x is positive, the expression is valid
   4. y= causes us to take the square root of a negative number
3. The expression equals what?
4. For all a≠0, = \_\_\_\_\_\_.
   1. 0
   2. 1
   3. -1
   4. a