

MA 114 - Reading Assignment 19 - Section 4.2 - Spring 2008

The name's \_\_\_\_\_, \_\_\_\_\_

1. A function is \_\_\_\_\_ if two different inputs yield two different outputs.
2. Graphically, how can you determine if a function is a function that has the property described in question #1?
3. **True** or **False**: The symbol  $f^{-1}(x)$  means  $\frac{1}{f(x)}$ .
4. How is the domain of  $f^{-1}$  related to  $f$ ?
5. How is the range of  $f^{-1}$  related to  $f$ ?
6.  $f(f^{-1}(x)) =$  \_\_\_\_\_
7.  $f^{-1}(f(x)) =$  \_\_\_\_\_
8. If the graph of  $f$  is known, how can you find the graph of  $f^{-1}$ ?
9. State the three steps in the procedure for finding  $f^{-1}$ .