

NAME: _____ Score _____/10

Please **print** your name

1. Unless otherwise stated, the domain of a function is the **largest set** of real numbers for which the rule **makes sense**.
2. The graph of a function is the set of all points of the form **(a, f(a))** where a is an element of the domain and f(a) is the corresponding range element.
3. A point is on the y-axis if and only if its **first** coordinate is **zero**.
4. A point is on the x-axis if and only if its **second** coordinate is **zero**.
5. **(2 pts each)** Write each of the following statements using normal mathematical notation. (function notation)
 - a. The range element associated with 8 by the function f is 11. **f(8) = 11**
 - b. The point (3, 5) is on the graph of the function f. **f(3) = 5**
 - c. 86 is a zero of the function f. **f(86) = 0**