

NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

Please **print** your name

1. If a point is in the second quadrant of the Cartesian coordinate system then its first coordinate is \_\_\_\_\_ and its second coordinate is \_\_\_\_\_.
2. T F The graph of a function  $f$  consists of all those points and only those points  $(x, y)$  for which  $f(y) = x$ .
3. T F The points  $(3, 5)$  and  $(3, 7)$  can both be on the graph of a function  $f$ .
4. If the second coordinate of a point is positive, the point is above the \_\_\_\_\_ in the Cartesian coordinate system.
5. **(2 pts each)** Write each of the following statements using normal mathematical notation. (function notation)
  - a. The point  $(5, 8)$  is on the graph of the function  $f$ .
  - b. The range element associated with 5 by the function  $f$  is  $\pi$ .
  - c.  $2 + \sqrt{5}$  is range element associated with 9 by the function named squib.