

Name _____

7-5A Lesson Master

Questions on SPUR Objectives
See pages 452–455 for objectives.

VOCABULARY

1. Write the definition of each term.

- a. Function _____
- b. Domain _____
- c. Range _____

PROPERTIES Objective C

2. Suppose a function f consists only of the ordered pairs $(0, 1)$, $(1, 4)$, $(2, 16)$, $(3, 64)$, and $(4, 256)$.

- a. What is the domain of f ? _____
- b. What is the range of f ? _____

3. *Multiple Choice.* Which list does not describe a function? _____

A

x	y
1	-3
2	-3
3	-3

B

x	y
1	5
2	-2
3	-9

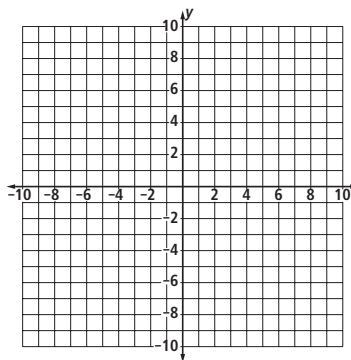
C

x	y
1	-2
1	4
1	10

REPRESENTATIONS Objective I

4. Consider the function described by $y = x^2 + 3$.

- a. Graph the function on the grid at the right.
- b. What is the domain of the function?



- c. What is the range of the function? _____

5. The graph of a function is shown at the right.

- a. From the graph, determine the domain of the function.

- b. From the graph, determine the range of the function.

