

Name _____

7-6A Lesson Master

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

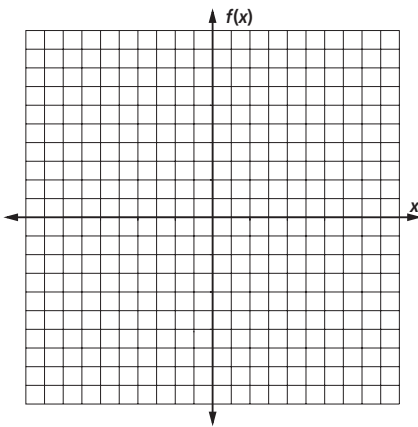
PROPERTIES Objective C

- Suppose a function f consists only of the ordered pairs $(0, 1)$, $(1, 3)$, $(2, 9)$, $(3, 27)$, and $(4, 81)$.
 - What is the domain of f ? _____
 - What is the range of f ? _____
 - Write a formula for $f(x)$ in terms of x . _____
- Consider the function L described by the equation $L(x) = 8x - 15$.
 - Find $L(3)$. _____
 - Find $L(-2.5)$. _____
 - True or False.* $L(6) < L(0.4)$ _____

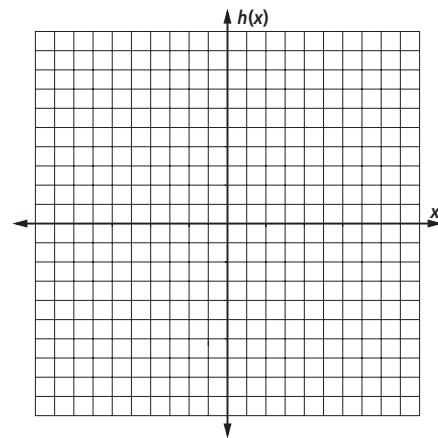
REPRESENTATIONS Objective I

In 3 and 4, graph the function on the given domain.

3. $f(x) = x^2 - 6, -4 \leq x \leq 3$



4. $h(x) = \frac{1}{4} \cdot 2^x, 0 \leq x \leq 6$



5. Use the graph of linear function G shown at the right.

- Find $G(-6)$.
- Find $G(1)$.
- True or False.* $G(-4) = 3$.
- Give a formula for $G(x)$ in terms of x .

