

Name \_\_\_\_\_

# 1-4A Lesson Master

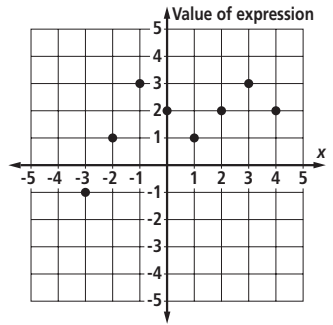
**Questions on SPUR Objectives**  
See pages 60–63 for objectives.

## VOCABULARY

- Express the set of all real numbers larger than 2 in set builder notation. \_\_\_\_\_
- Express the set of integers larger than -3 and smaller than or equal to 4 in roster notation. \_\_\_\_\_

## REPRESENTATIONS Objectives J, K, L

In 3–6, use the graph at the right. The graph represents values of an expression.



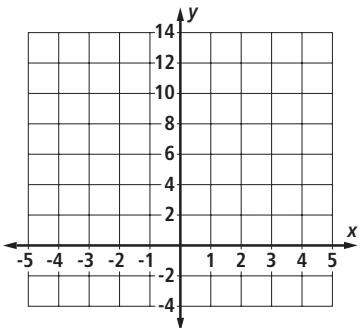
- Give the coordinates of three points on the graph.  
\_\_\_\_\_
- What is the value of the expression when  $x$  is 4? \_\_\_\_\_
- For what value(s) of  $x$  is the value of the expression equal to 1? \_\_\_\_\_
- For what value(s) of  $x$  is the value of the expression also equal to  $x$ ? \_\_\_\_\_
- Xander is 3 years younger than his sister Yasmin. Let  $x$  = Xander's age and  $y$  = Yasmin's age. Fill in the chart with possible ages for the siblings.

Express Yasmin's age using  $x$ .

\_\_\_\_\_

Xander, $x$	Yasmin, $y$	Ordered Pair $(x, y)$
5		
6		
7		
8		
9		
10		

- Make a table and scatterplot for  $x^2 - 3$  when  $x = -1, 2, 3,$  and  $4$ .



$x$	$x^2 - 3$