**2-5**  **Defining a Variable in Terms of Another** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Example 1**  Date \_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_

**Perimeter of Rectangles**

Write and solve an equation to find the length and width of the rectangles below.

 y - 6

a) x + 5 b)

 x y

 Perimeter = 46 in. Perimeter = 28 ft.

c) The length of a rectangle is 6 in. longer than the width. If the perimeter of the rectangle is

 96 in., find the length and the width of the rectangle.

d) The length of a rectangle is 2 in. longer than twice the width. If the perimeter of the

 rectangle is 100 in., find the length and the width of the rectangle.

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