

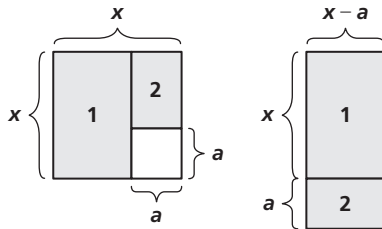
Name _____

13-8A Lesson Master

Questions on SPUR Objectives
See pages 833–835 for objectives.

REPRESENTATIONS Objective H

1. The shaded region in the left diagram can be manipulated to form the region on the right. What property is pictured?



2. A square has a side length of 14 cm. Suppose the length is shortened by 3 cm and the width is increased by 3 cm.

a. What is the area of the new rectangle? _____

b. What is the difference in the area of the square and the area of the rectangle? _____

c. *True or false?* $14^2 - 3^2 = (14 - 3)(14 + 3)$ _____

3. Use the diagram below to show that the area of a trapezoid is $\frac{1}{2}h(a + b)$.

