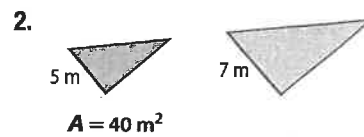
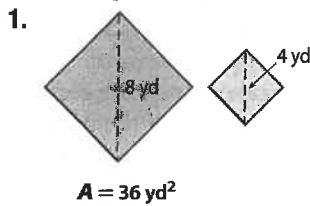


## Check Your Understanding

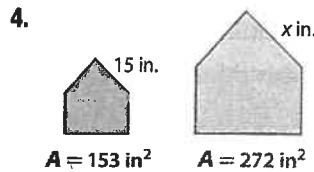
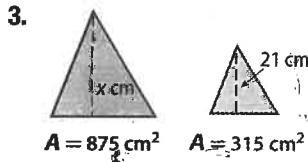
Step-by-Step Solutions begin on page R14.



**Example 1** For each pair of similar figures, find the area of the green figure.



**Example 2** For each pair of similar figures, use the given areas to find the scale factor from the blue to the green figure. Then find  $x$ .



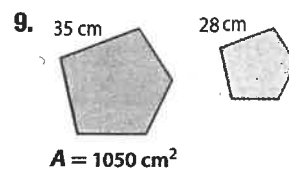
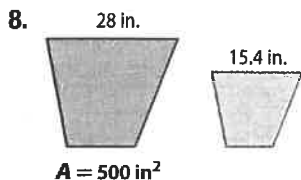
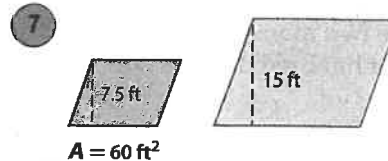
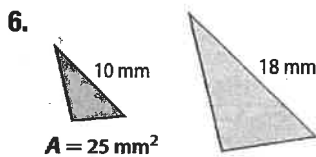
**Example 3** 5. **MEMORIES** Zola has a picture frame that holds all of her school pictures. Each small opening is similar to the large opening in the center. If the center opening has an area of 33 square inches, what is the area of each small opening?



## Practice and Problem Solving

Extra Practice is on page R11.

**Example 1** For each pair of similar figures, find the area of the green figure.



**Example 2** **CCSS STRUCTURE** For each pair of similar figures, use the given areas to find the scale factor of the blue to the green figure. Then find  $x$ .

