

Vocabulary Check

1. **CCSS Be Precise** Define *polygon*. Give an example of a figure that is a polygon and an example of a figure that is not a polygon. (Lesson 1)

A polygon is a closed figure formed with 3 or more straight lines.

Sample answer: A triangle is a polygon, but a circle is not a polygon.

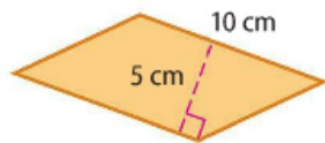
2. Fill in the blank in the sentence below with the correct term(s). (Lesson 2)

Congruent figures have the **same** size and the **same** shape.

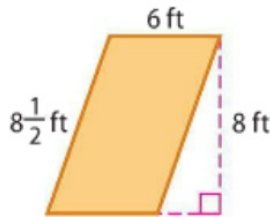
Skills Check and Problem Solving

Find the area of each figure. (Lessons 1 and 2)

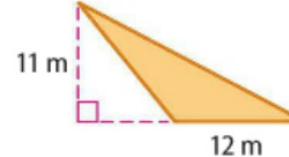
3. **50 cm^2**



4. **48 ft^2**



5. **66 m^2**

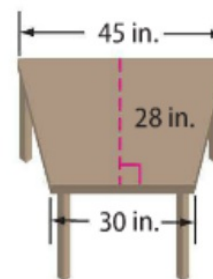


Find the missing dimension of each figure. (Lessons 1 and 3)

6. parallelogram: $h = 5\frac{1}{4}$ ft; $A = 12$ ft²
 $b = 2\frac{2}{7}$ ft

7. trapezoid: $b_1 = 3$ m; $b_2 = 4$ m; $A = 7$ m²
 $h = 2$ m

8. **CCSS Model with Mathematics** A corner table is in the shape of a trapezoid. Find the area of the tabletop. (Lesson 3) 1,050 in²



9. **CCSS Reason Inductively** The area of a triangle is 56 square centimeters. Give all possible sets of whole number dimensions for the base and height of the triangle. (Lesson 2) 1 cm and 112 cm, 2 cm and 56 cm, 4 cm and 28 cm, 7 cm and 16 cm, 8 cm and 14 cm