Lesson 3 Homework Practice

Area of Trapezoids

Find the area of each figure. Round to the nearest tenth if necessary.

1.

11 ft
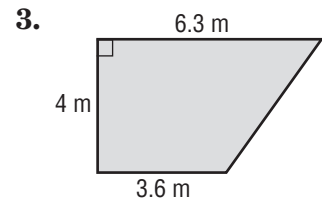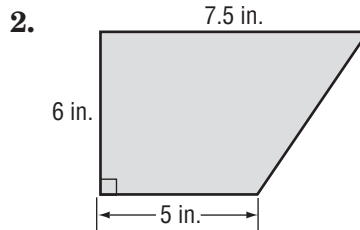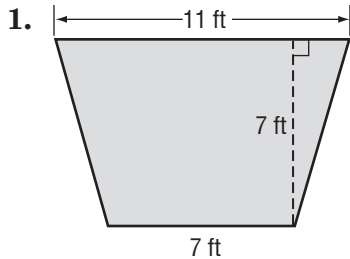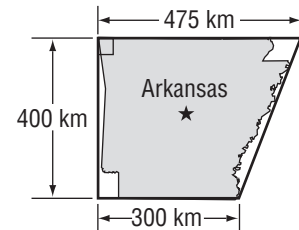7 ft
7 ft

2.

7.5 in.
6 in.
5 in.

3.

6.3 m
4 m
3.6 m

4.

14.3 cm
12 cm
18.4 cm

5.

4 yd
$3\frac{1}{2}$ yd
5 yd
9 yd

6.

9.8 mm
7 mm
10.1 mm
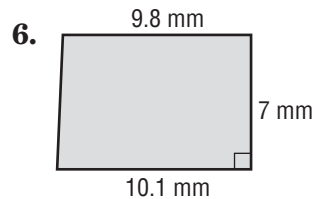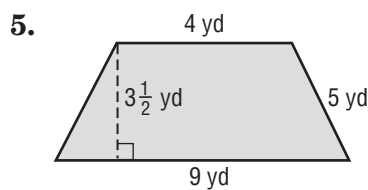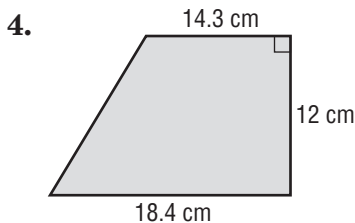
7. GEOGRAPHY The shape of Arkansas is roughly trapezoidal with bases of 475 kilometers and 300 kilometers and a height of 400 kilometers. What is the approximate area of Arkansas?

475 km
Arkansas
400 km
300 km

8. Find the area of the figure. It is formed by two congruent trapezoids.

9 m
3 m
8 m
9 m
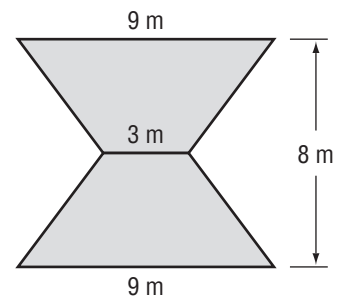
Draw and label each figure. Then find the area.

9. a trapezoid with a right angle and an area greater than 50 square feet

10. a trapezoid with no right angles and an area greater than 75 square meters