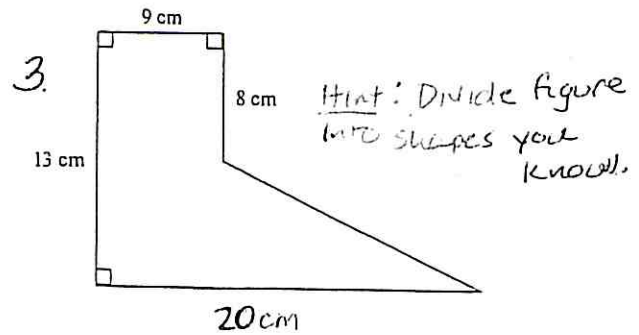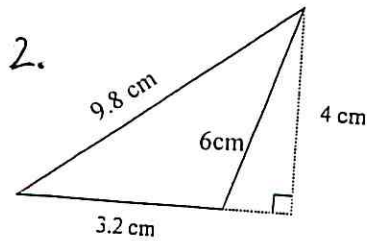Geometry
SLOT / Area
Study Guide
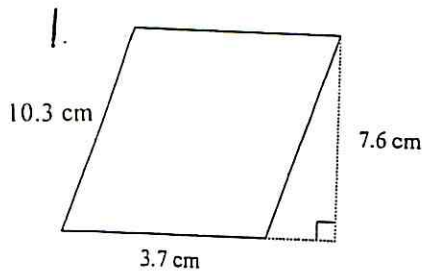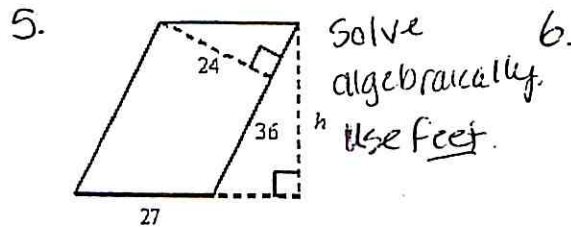
Show all work. Figures are not drawn to scale. Use proper units

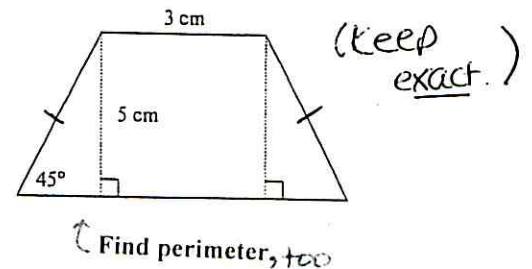Find the area and perimeter for each figure in 1-4.

1.

10.3 cm
7.6 cm
3.7 cm

2.

9.8 cm
6 cm
4 cm
3.2 cm

3.

9 cm
8 cm
13 cm
20 cm

Hint: Divide figure into shapes you know.

4.

19 in.
14.5 in.   12.6 in.   14.5 in.
29.2 in.
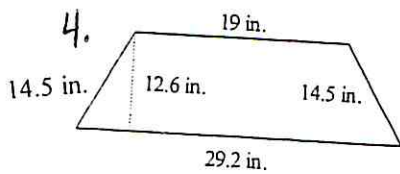
Find the value of *h* in the parallelogram.

5.

24
36   *h*
27

Solve algebraically. Use feet.

Find the area of the trapezoid.

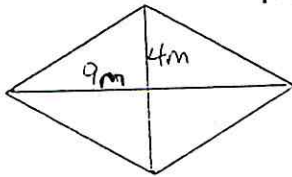**6.**

3 cm
5 cm
45°

(keep exact.)

↳ Find perimeter, too

7. Find the area of the rhombus.
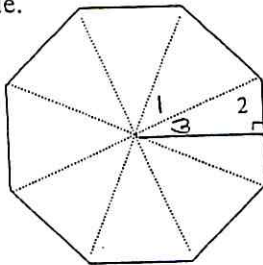
Find perimeter.

9m   4m

8.

Find the area of a regular decagon with an apothem 15.7 feet long and a side 9 feet long. Round your answer to the nearest tenth.
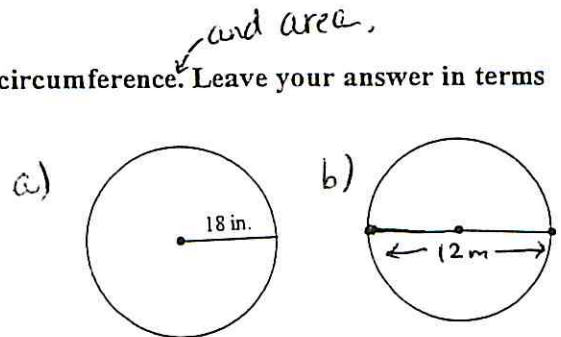
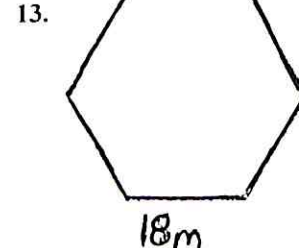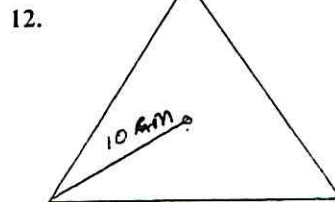**9.** Given the regular polygon, find the measure of each numbered angle.
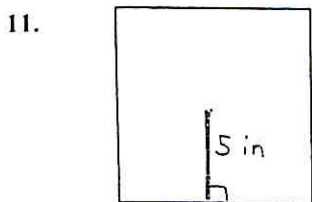
Show work for each ∠.

1   2
3

10. Find the circumference. Leave your answer in terms of π.

and area.

a) 18 in.

b) ←12m→

For 11-13, find the area of each regular polygon. Redraw and label the special right triangle formed. Show angle & side work.

11.

5 in

12.

10 km

13.

18m

Don't have to use ½ap