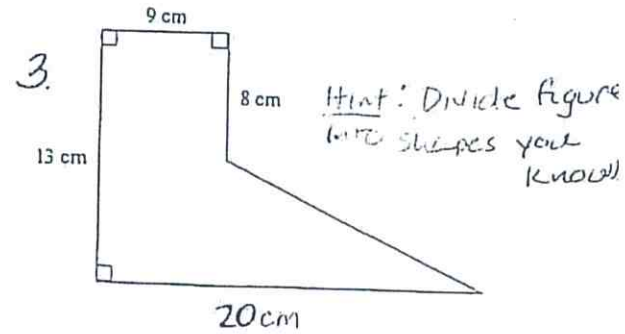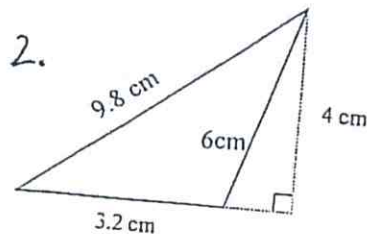**Show all work.** *Figures are not drawn to scale.* **Use proper units**

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

6cm

4 cm

3.2 cm

3.

9 cm

8 cm

13 cm

Hint: Divide figure into shapes you know!

20 cm

4.

19 in.

14.5 in.   12.6 in.   14.5 in.

29.2 in.
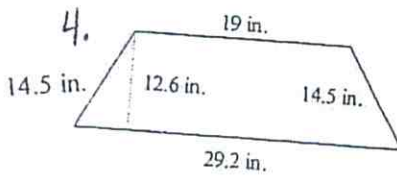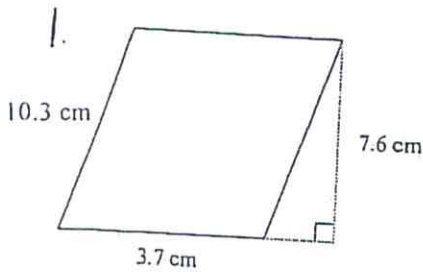
Find the value of *h* in the parallelogram.

5.

24

36   *h*

27

Solve algebraically.

Use feet.
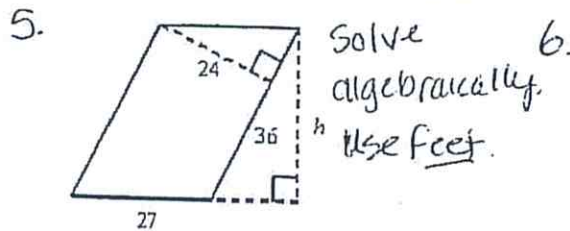
6. Find the area of the trapezoid.

3 cm
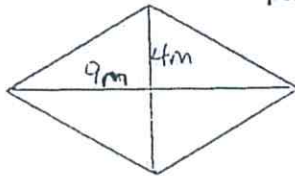
5 cm

45°

(keep exact.)
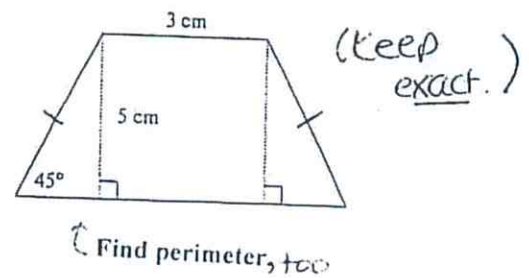
Find perimeter, too

7. Find the area of the rhombus.

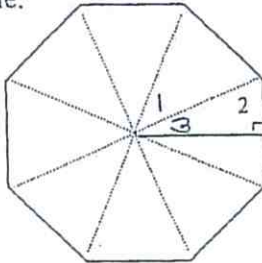Find perimeter.

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)

← (2 m →)