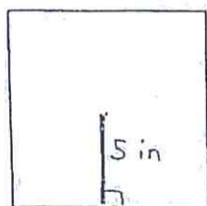


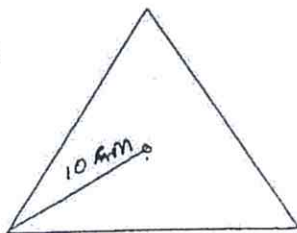
For 11-13, find the area of each regular polygon. Redraw and label the special right triangle formed. Show angle & side work.

11.

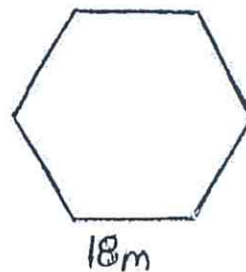


Don't have to  
use  $\frac{1}{2}ap$

12.



13.



For 14-17, set and solve an algebraic equation using the appropriate formula.

14. The area of a regular octagon is  $216 \text{ cm}^2$ . Its apothem is 6 cm. How long is each side?

15. The area of a rhombus is  $133 \text{ m}^2$ . If one diagonal has length 19 m, what is the length of the other diagonal?

16. Find the missing height of a trapezoid whose area is  $100 \text{ m}^2$ , with bases that are 10 m & 15 m.

17. An isosceles right triangle has area  $32 \text{ mm}^2$ . Find the length of the leg.