

Set up each of the following problems and solve.

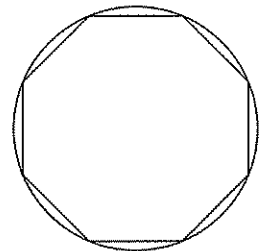
1. Find the area of a parallelogram that has a 45° angle and sides with lengths 10 and 18.

2. Find the area of a rhombus that has perimeter 48 and an angle of 55° .

3. The area of $\triangle ABC$ is 36 square units. If $\angle B = 30^\circ$ and $c = 8$, find the value of a .

4. The area of $\triangle ABC$ is 20 square units. If $\angle A = 130^\circ$ and $b = 6$, find the value of c .

5. Find the area of a regular octagon inscribed in a unit circle.



6. Find area of regular pentagon inscribed in a circle of radius 8cm.

