Area of Regular Polygons- Given a Side Length HW

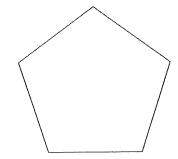
Directions: Find the area of the regular polygon. Show all work. Round to the nearest tenth if needed.

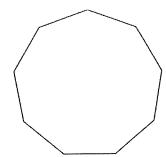
1. Find the area of a **regular nonagon** with perimeter of 90cm.

2. Find the area of a regular dodecagon with perimeter of 120m.

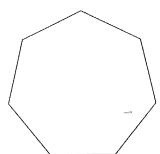
3. Find the area of a regular triangle with perimeter of 21 km.

$$3. s = 12m$$

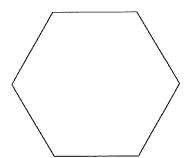




5. s = 21km

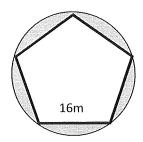


6. S = 2m

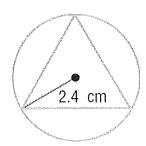


Directions: Find the area of the shaded region. Show all work.

7.



8.



Spiral: Using Apothem and Radius

Directions: Find the area of the regular pentagon given the information provided.

9. AP=5.6 cm

10. UT=12m

