

Find the area of each polygon. Round your answers to the nearest tenth.

1. an equilateral triangle with apothem 5.8 cm

2. a regular hexagon with apothem 19 mm

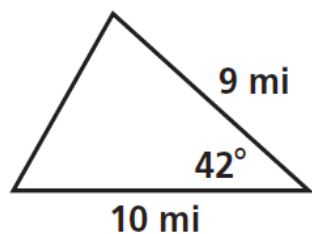
3. a regular pentagon with radius 9 m

4. a regular octagon with radius 20 in.

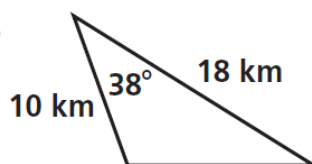
5. a regular decagon with apothem 10 in.

Find the area of each triangle. Round your answers to the nearest tenth.

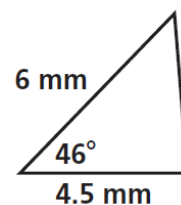
6.



7.



8.



Find the area of each regular polygon to the nearest tenth.

9. a triangular dog pen with apothem 4 m
10. a hexagonal swimming pool cover with radius 5 ft
11. an octagonal floor of a gazebo with apothem 6 ft
12. a square deck with radius 2 m
13. a hexagonal patio with apothem 4 ft
14. a. Find the area of the circular hole in the hexagonal nut.
b. Find the area of the hexagonal face.

