

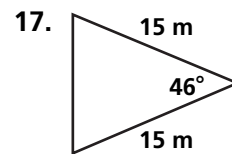
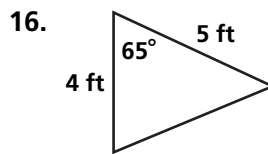
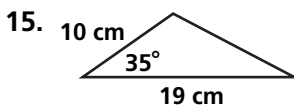
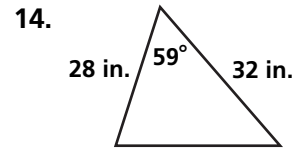
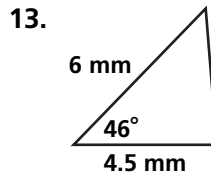
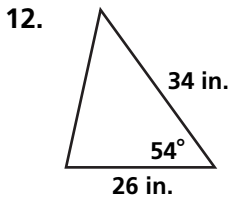
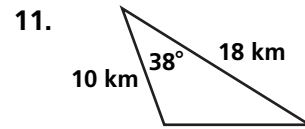
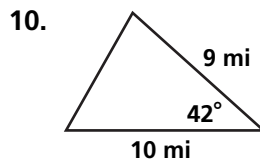
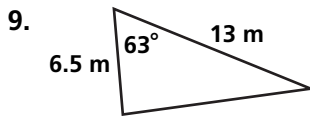
# Practice 9-5

## Trigonometry and Area

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

1. an equilateral triangle with apothem 5.8 cm
2. a square with radius 17 ft
3. a regular hexagon with apothem 19 mm
4. a regular pentagon with radius 9 m
5. a regular octagon with radius 20 in.
6. a regular hexagon with apothem 11 cm
7. a regular decagon with apothem 10 in.
8. a square with radius 9 cm

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



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

18. a triangular dog pen with apothem 4 m
19. a hexagonal swimming pool cover with radius 5 ft
20. an octagonal floor of a gazebo with apothem 6 ft
21. a square deck with radius 2 m
22. a hexagonal patio with apothem 4 ft

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