

Practice 10-5

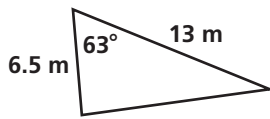
Trigonometry and Area

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

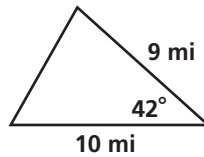
1. an equilateral triangle with apothem 5.8 cm _____
2. a square with radius 17 ft _____
3. a regular hexagon with apothem 19 mm _____
4. a regular octagon with radius 20 in. _____

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

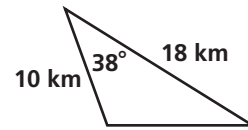
5. _____



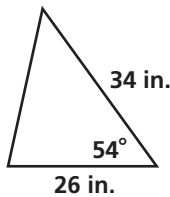
6. _____



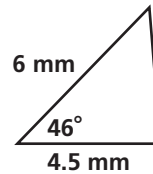
7. _____



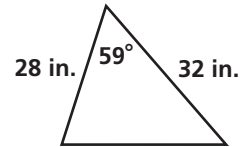
8. _____



9. _____



10. _____



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

11. a triangular dog pen with apothem 4 m _____
12. a hexagonal swimming pool cover with radius 5 ft _____
13. an octagonal floor of a gazebo with apothem 6 ft _____
14. a square deck with radius 2 m _____

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