Name _____ Class _____ Date _____

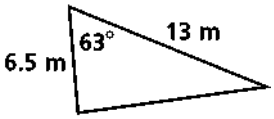
Practice 10-5

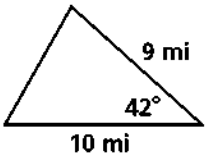
Trigonometry and Area

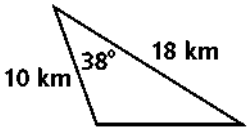
Find the area of each polygon. Round your answers to the nearest tenth.

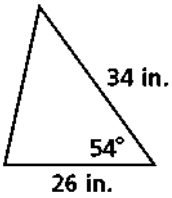
1. an equilateral triangle with apothem 5.8 cm
2. a square with radius 17 ft
3. a regular hexagon with apothem 19 mm
4. a regular pentagon with radius 9 m
5. a regular octagon with radius 20 in.
6. a regular hexagon with apothem 11 cm
7. a regular decagon with apothem 10 in.
8. a square with radius 9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

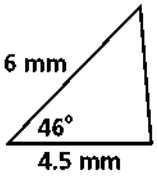
Find the area of each triangle. Round your answers to the nearest tenth.

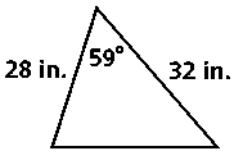
9. 

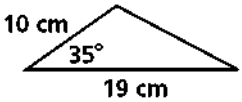
10. 

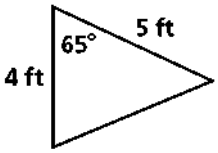
11. 

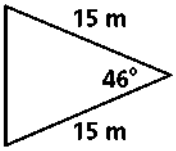
12. 

13. 

14. 

15. 

16. 

17. 

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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