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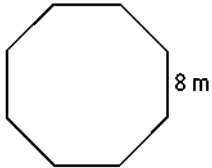
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Geometry

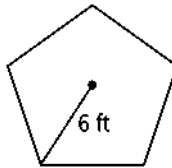
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**Trigonometry and Area HW****LT#2:** Find areas of regular polygons and triangles using trigonometry.**Find the area of each regular polygon. Round your answers to the nearest tenth.**

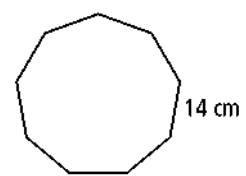
1.



2.



3.

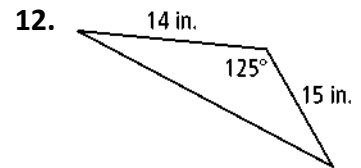
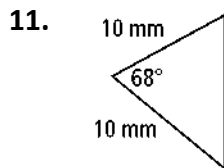
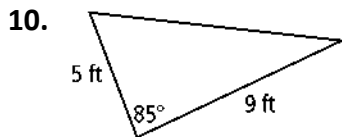
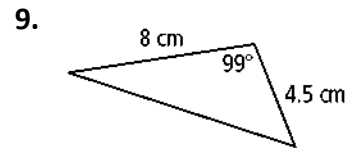
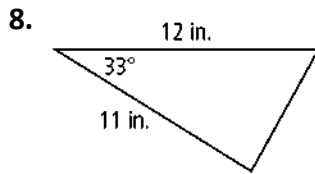
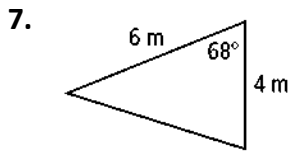


4. hexagon with side length 4 m

5. Nonagon with radius 6 ft

7. Octagon with radius 9 mm

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



13. The Tribeca neighborhood in New York City gets its name from its shape and location (a triangle below Canal Street). The triangular part of the neighborhood is formed by the intersection of Canal Street, Hudson Street, and West Broadway. This section of West Broadway is about 2500 ft long, and the angle enclosed by the two streets is approximately 25.8. What is the area of this part of Tribeca? Round your answer to the nearest thousand square feet.

