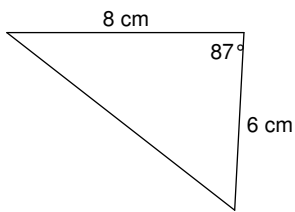


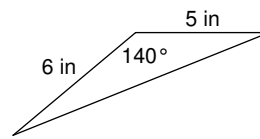
Trigonometry and Area

Find the area of each figure. Round your answer to the nearest tenth.

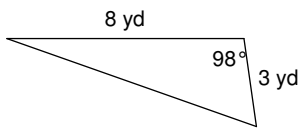
1)



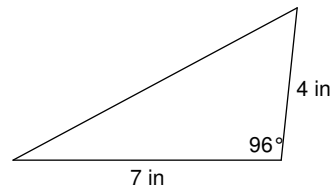
2)



3)



4)



5) A triangle with two sides that measure 6 yd and 2 yd with an included angle of 10° .

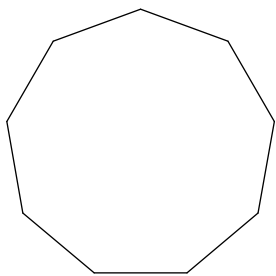
6) A triangle with two sides that measure 6 m and 8 m with an included angle of 137° .

7) A triangle with two sides that measure 5 cm and 8 cm with an included angle of 39° .

8) A triangle with two sides that measure 8 ft and 7 ft with an included angle of 30° .

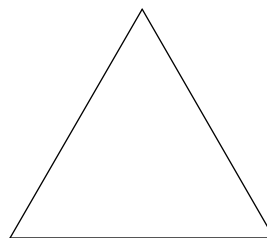
Find the area of each regular polygon. Round your answer to the nearest tenth.

9)



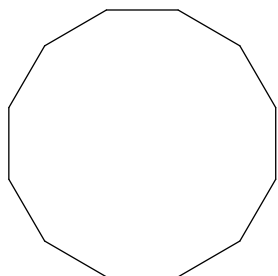
Perimeter = 108 mi

10)



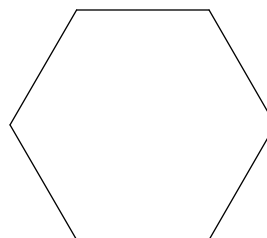
10 km

11)



Perimeter = 144 cm

12)



9 cm

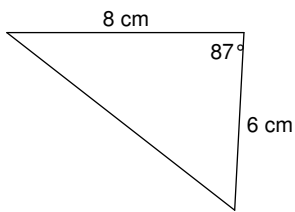
13) A regular hexagon with a perimeter of 48 yd.

14) A regular pentagon 6 ft on each side.

Trigonometry and Area

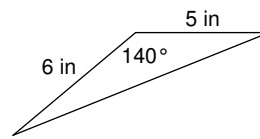
Find the area of each figure. Round your answer to the nearest tenth.

1)



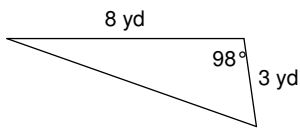
24 cm^2

2)



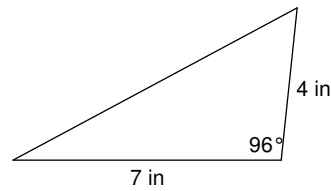
9.6 in^2

3)



11.9 yd^2

4)



13.9 in^2

5) A triangle with two sides that measure 6 yd and 2 yd with an included angle of 10° .

1 yd^2

6) A triangle with two sides that measure 6 m and 8 m with an included angle of 137° .

16.4 m^2

7) A triangle with two sides that measure 5 cm and 8 cm with an included angle of 39° .

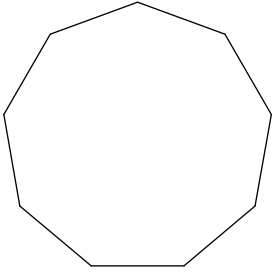
12.6 cm^2

8) A triangle with two sides that measure 8 ft and 7 ft with an included angle of 30° .

14 ft^2

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

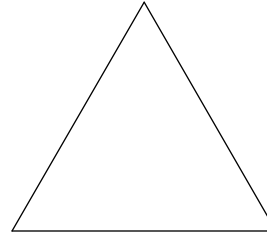
9)



Perimeter = 108 mi

890.2 mi²

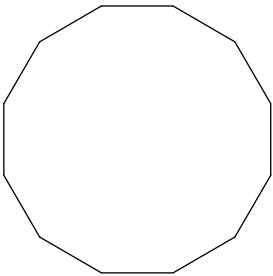
10)



10 km

43.3 km²

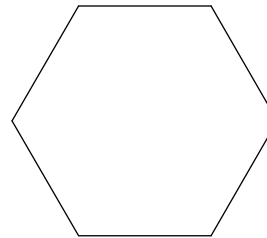
11)



Perimeter = 144 cm

1612.2 cm²

12)



9 cm

210.4 cm²

13) A regular hexagon with a perimeter of 48 yd.

166.3 yd²

14) A regular pentagon 6 ft on each side.

61.9 ft²