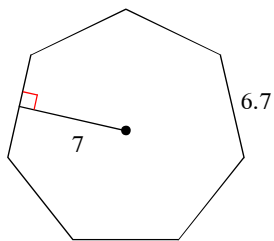


Area - Regular Polygons - Review

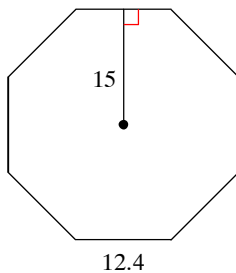
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Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

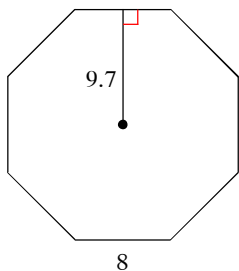
1)



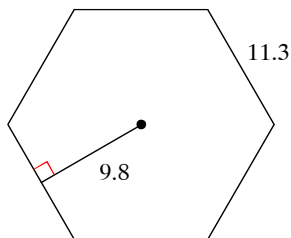
2)



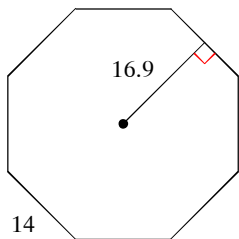
3)



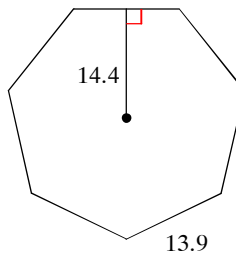
4)



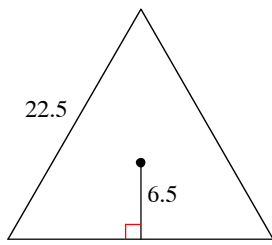
5)



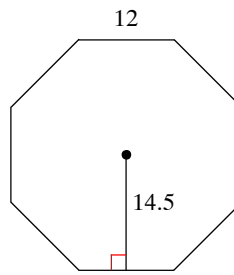
6)



7)



8)



9) triangle
apothem = 2.9
side = 10

10) hexagon
apothem = 15
side = 17.3

11) hexagon
apothem = 12
side = 13.9

12) 7-gon
apothem = 16.6
side = 16

13) hexagon
apothem = 11
side = 12.7

14) octagon
apothem = 18.3
side = 15.2

15) triangle
apothem = 11
side = 38.1

16) octagon
apothem = 12.1
side = 10

Find the area of each regular polygon. Leave your answer in simplest form.

17) quadrilateral
radius = 20

18) triangle
radius = 26

19) triangle
radius = 18

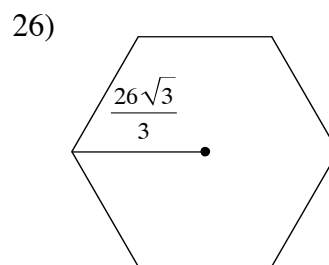
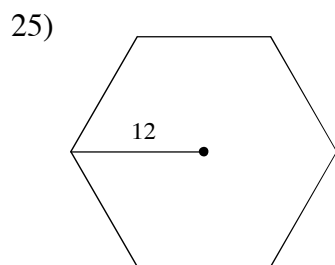
20) quadrilateral
radius = $8\sqrt{2}$

21) hexagon
radius = $\frac{32\sqrt{3}}{3}$

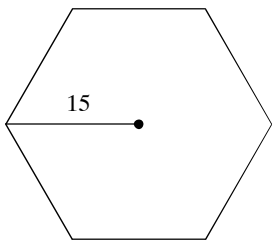
22) quadrilateral
radius = $13\sqrt{2}$

23) quadrilateral
radius = $11\sqrt{2}$

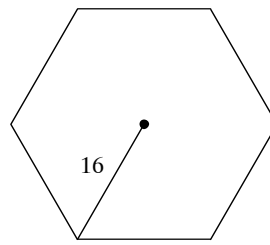
24) hexagon
radius = 16



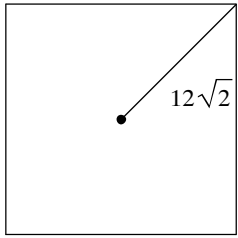
27)



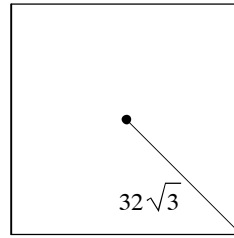
28)



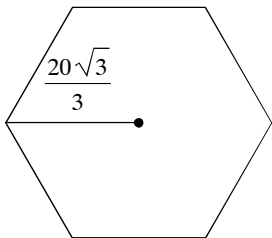
29)



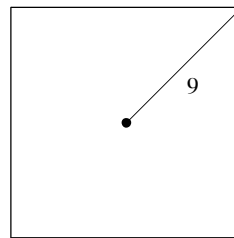
30)



31)

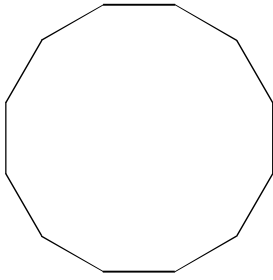


32)



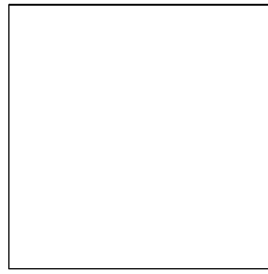
Find the area of each figure. Round your answer to the nearest tenth.

33)



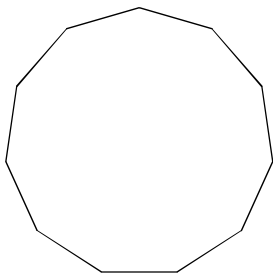
Perimeter = 72 yd

34)



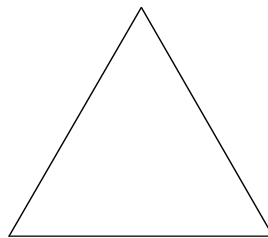
Perimeter = 16 km

35)



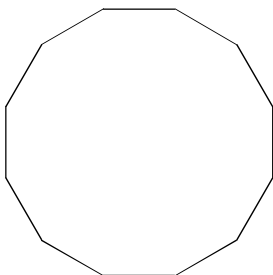
Perimeter = 55 in

36)



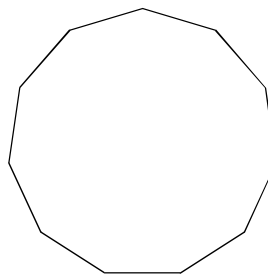
Perimeter = 15 yd

37)



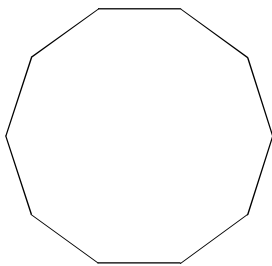
3 yd

38)



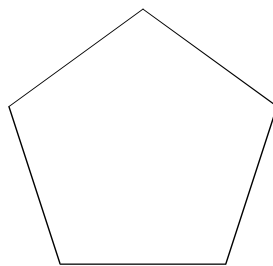
2 mi

39)



Perimeter = 30 m

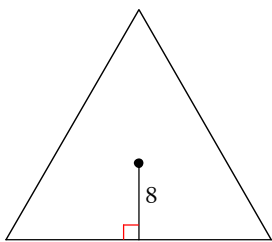
40)



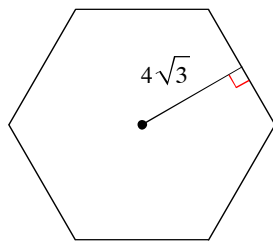
Perimeter = 10 cm

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

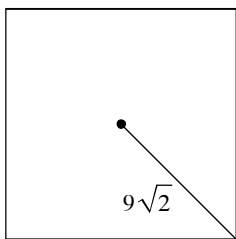
41)



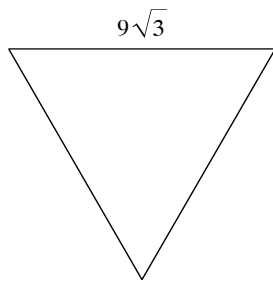
42)



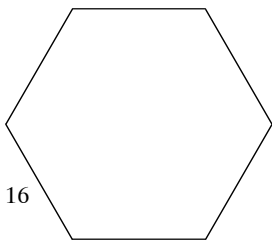
43)



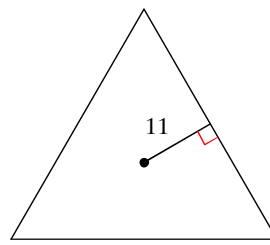
44)



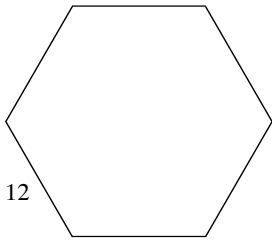
45)



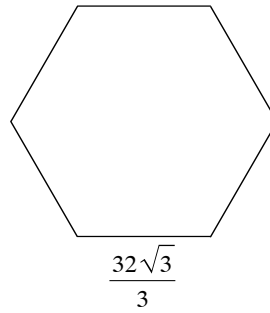
46)



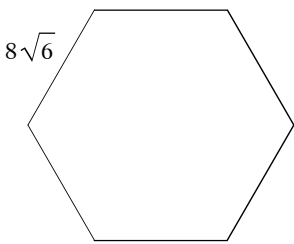
47)



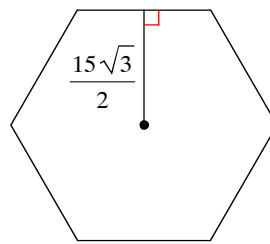
48)



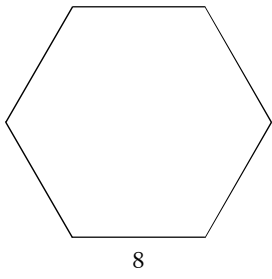
49)



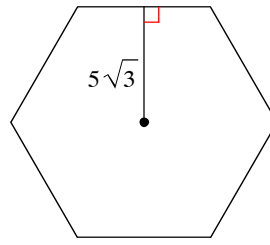
50)



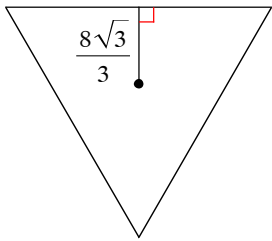
51)



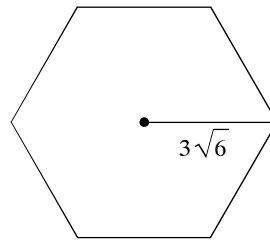
52)



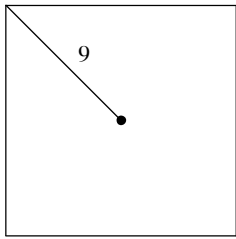
53)



54)



55)



56)

