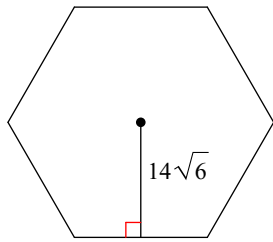


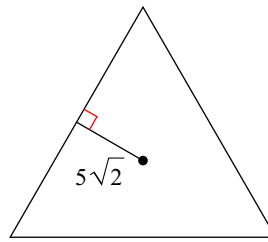
WS 11.1 - 11.3 PC Review

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

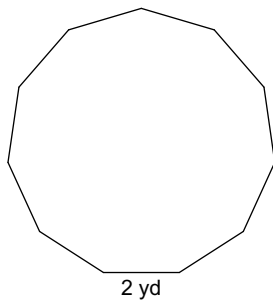
1)



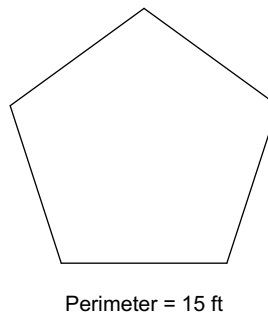
2)



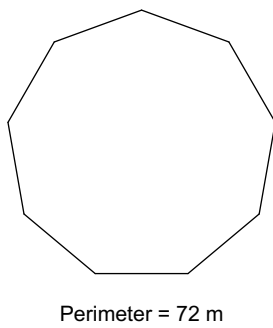
3)



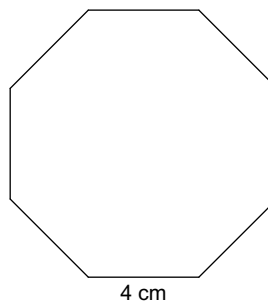
4)



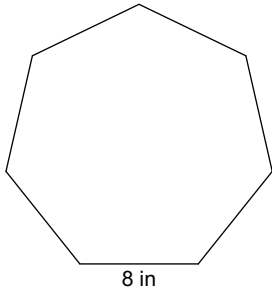
5)



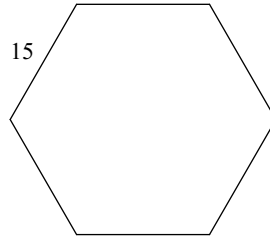
6)



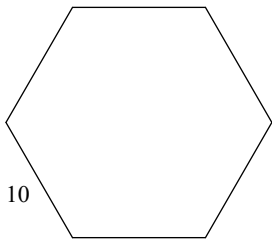
7)



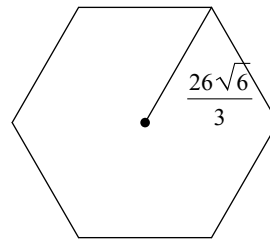
8)



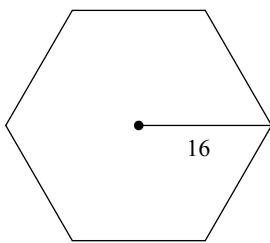
9)



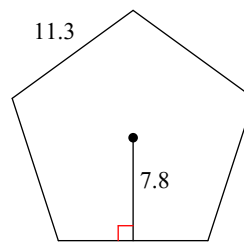
10)



11)

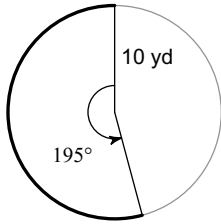


12)

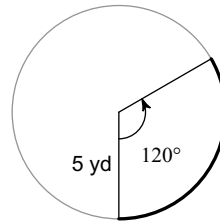


Find the exact length of each arc.

13)

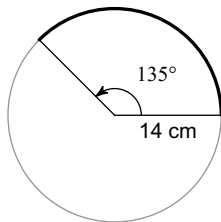


14)

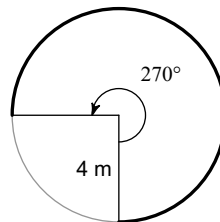


Find the length of each arc. Round your answers to the nearest tenth.

15)

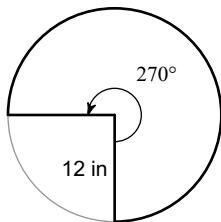


16)

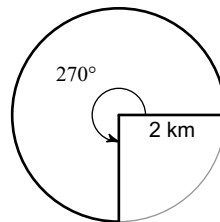


Find the exact area of each sector.

17)

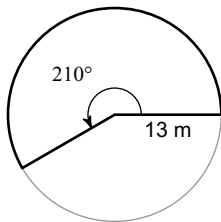


18)

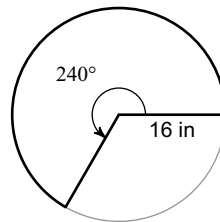


Find the area of each sector. Round your answers to the nearest tenth.

19)



20)



Convert from degrees to radians.

21) 240°

22) 210°

23) 120°

24) 20°

Convert from radians to degrees.

25) $\frac{\pi}{4}$

26) $\frac{\pi}{6}$

27) $\frac{4\pi}{3}$

28) $\frac{2\pi}{3}$

29) A motorcycle wheel has a radius of 27 inches. If you ride your motorcycle for 1 mile (5,280 feet) how many revolutions does the wheel make?

30) Approximately 124,000 people live within a 10 mile radius of the Sprint Center in beautiful downtown Kansas City. Find the population density in people per square mile.