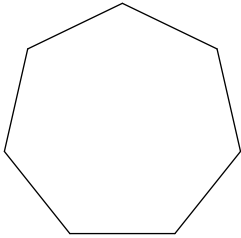


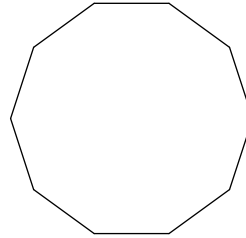
Regular Polygons

Write the name of each polygon.

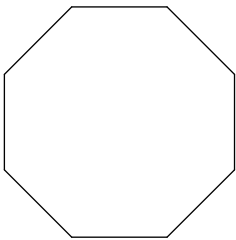
1)



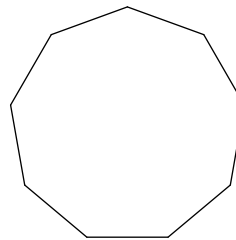
2)



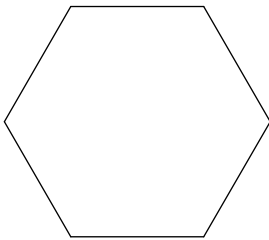
3)



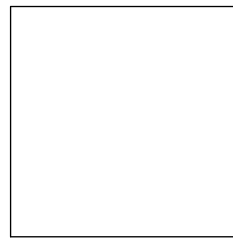
4)



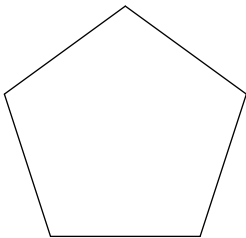
5)



6)

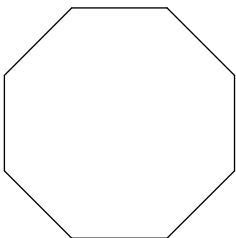


7)

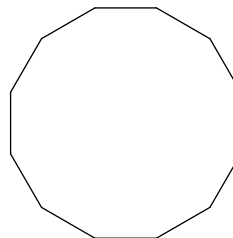


Find the interior angle sum for each polygon.

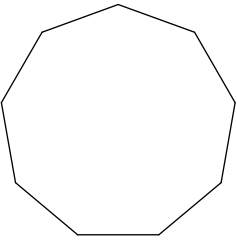
8)



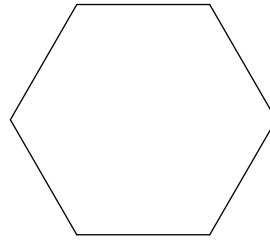
9)



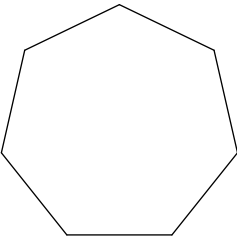
10)



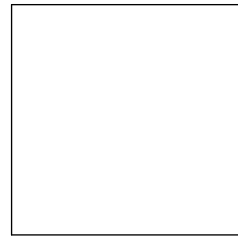
11)



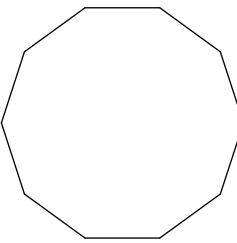
12)



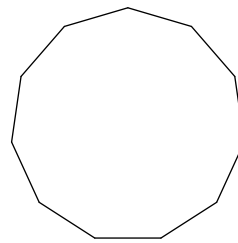
13)



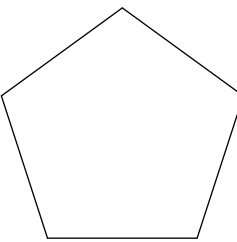
14)



15)

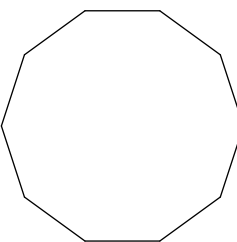


16)

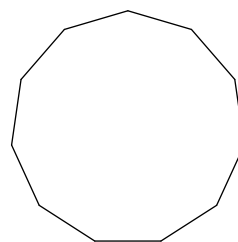


Find the measure of one interior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

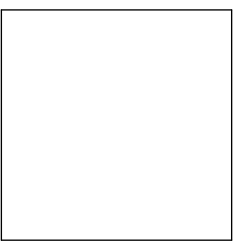
17)



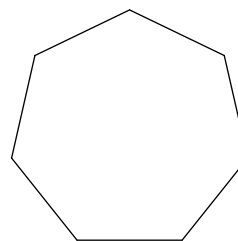
18)



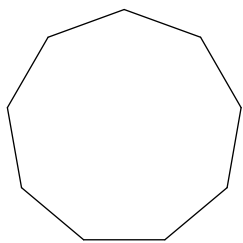
19)



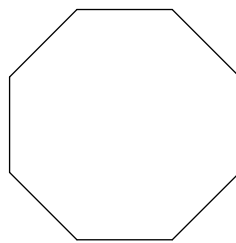
20)



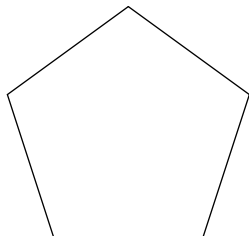
21)



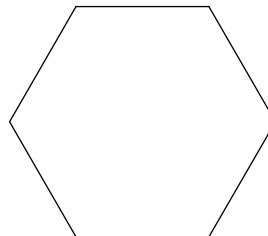
22)



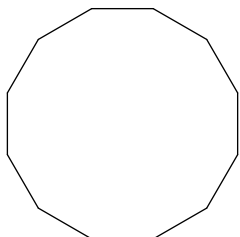
23)



24)



25)



Find the area of each regular polygon.

26) pentagon
apothem = 9
side = 13.1

27) octagon
apothem = 12
side = 9.9

28) pentagon
apothem = 8
side = 11.6

29) nonagon
apothem = 19.2
side = 14

30) hexagon
apothem = 8.7
side = 10

31) octagon
apothem = 16.9
side = 14

32) pentagon
apothem = 6.9
side = 10

33) hexagon
apothem = 19.6
side = 22.6

34) octagon
apothem = 7
side = 5.8

35) nonagon
apothem = 11
side = 8

Answers to Regular Polygons (ID: 1)

- | | | | |
|-----------------|-------------------|------------------|-------------------|
| 1) heptagon | 2) decagon | 3) octagon | 4) nonagon |
| 5) hexagon | 6) quadrilateral | 7) pentagon | 8) 1080° |
| 9) 1800° | 10) 1260° | 11) 720° | 12) 900° |
| 13) 360° | 14) 1440° | 15) 1620° | 16) 540° |
| 17) 144° | 18) 147.3° | 19) 90° | 20) 128.6° |
| 21) 140° | 22) 135° | 23) 108° | 24) 120° |
| 25) 150° | 26) 294.8 | 27) 475.2 | 28) 232 |
| 29) 1209.6 | 30) 261 | 31) 946.4 | 32) 172.5 |
| 33) 1328.9 | 34) 162.4 | 35) 396 | |