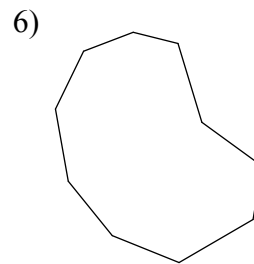
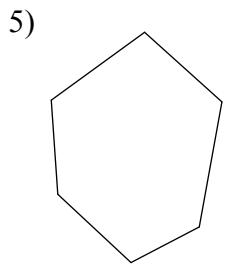
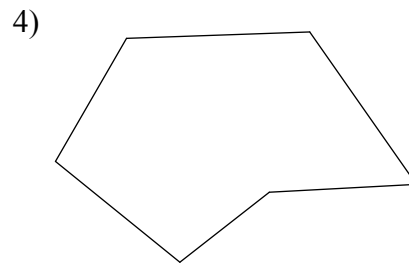
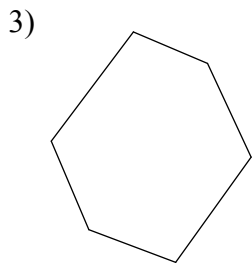
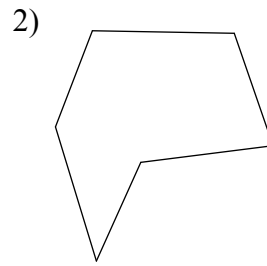
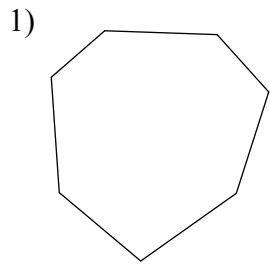
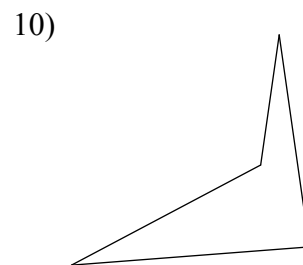
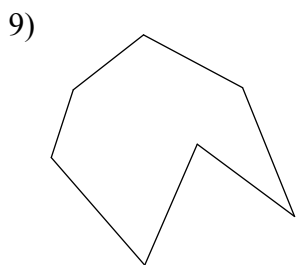
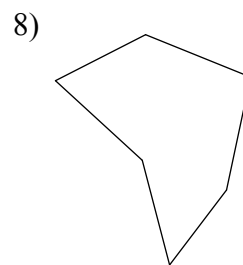
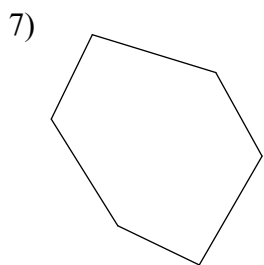


Chapter 10: Polygons and Area

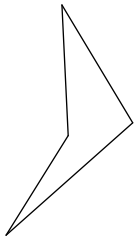
Write the name of each polygon.



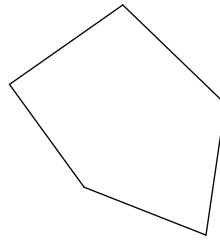
State if each polygon is concave or convex.



11)

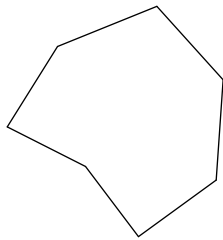


12)

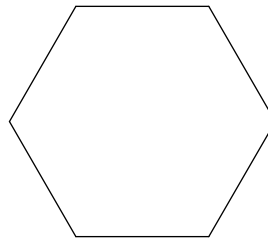


State if each polygon is regular or not.

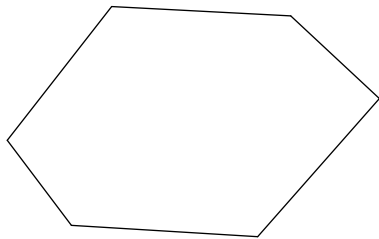
13)



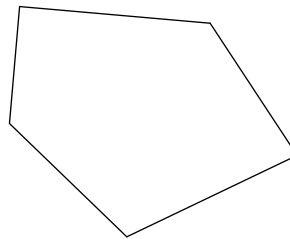
14)



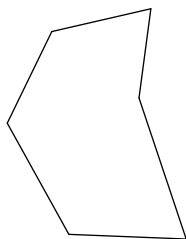
15)



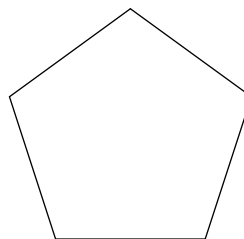
16)



17)

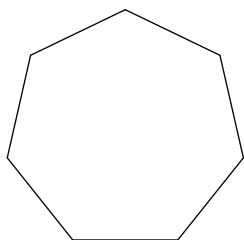


18)

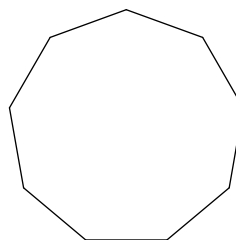


Find the interior angle sum for each polygon. Round your answer to the nearest tenth if necessary.

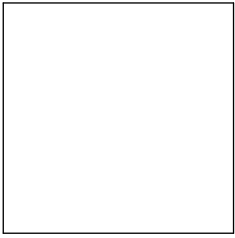
19)



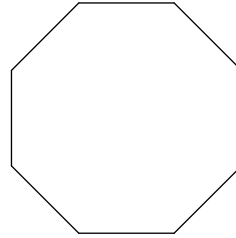
20)



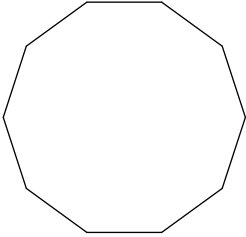
21)



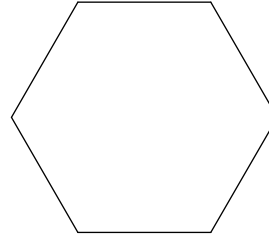
22)



23)

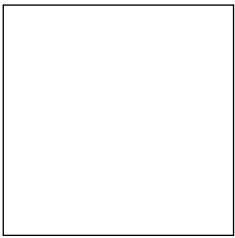


24)

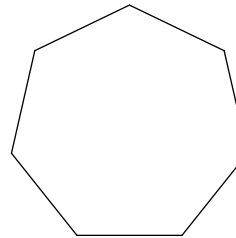


Find the measure of one interior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

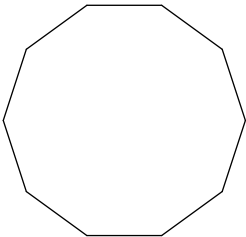
25)



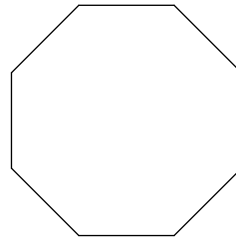
26)



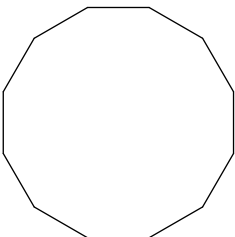
27)



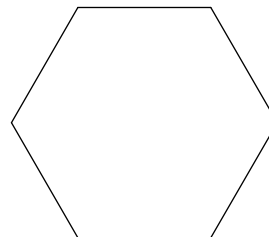
28)



29)

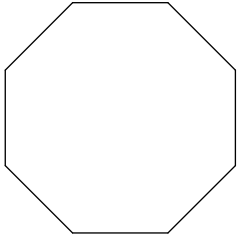


30)

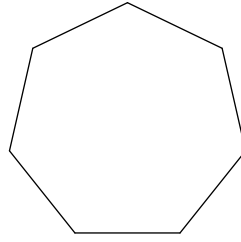


Find the measure of one exterior angle in each regular polygon. Round your answer to the nearest tenth if necessary.

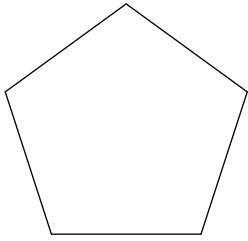
31)



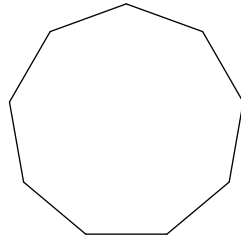
32)



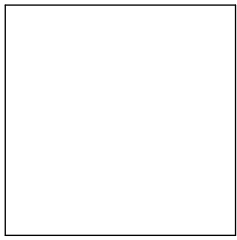
33)



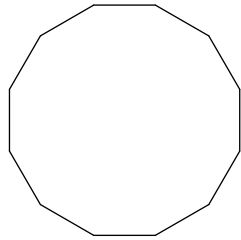
34)



35)

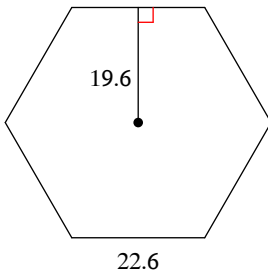


36)

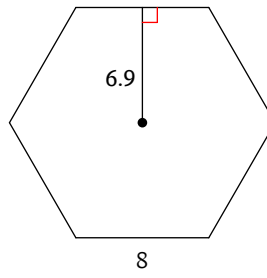


Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

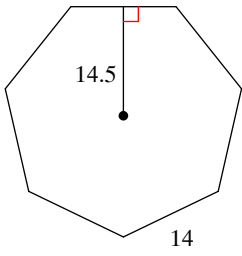
37)



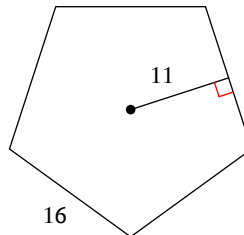
38)



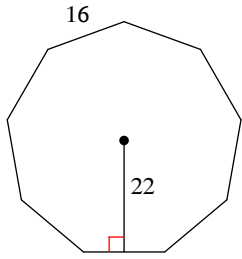
39)



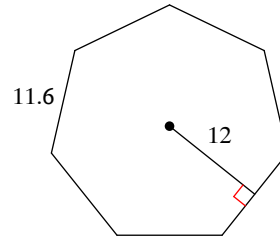
40)



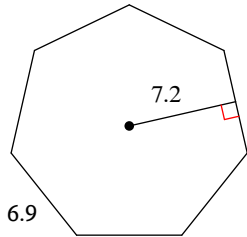
41)



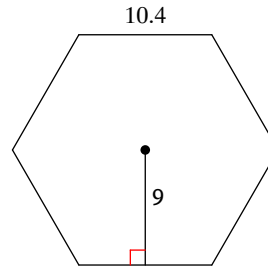
42)



43)

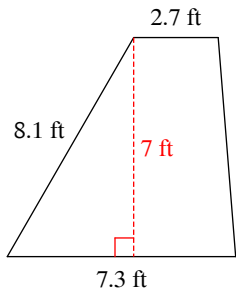


44)

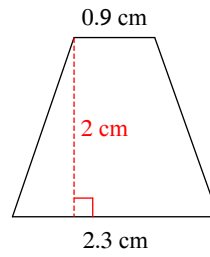


Find the area of each.

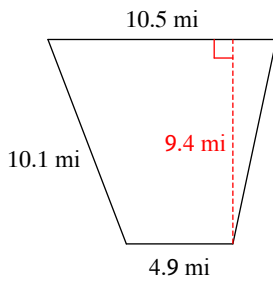
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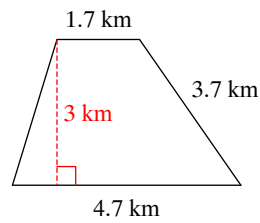
46)



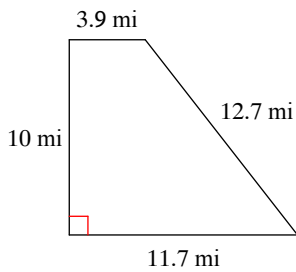
47)



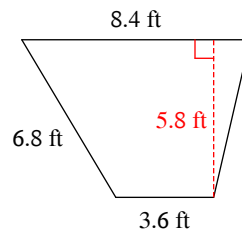
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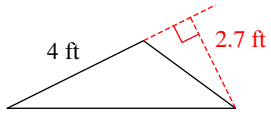
49)



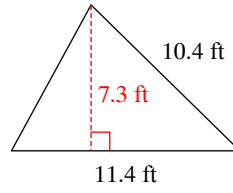
50)



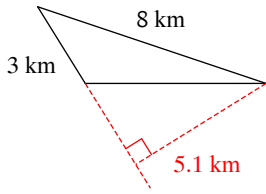
51)



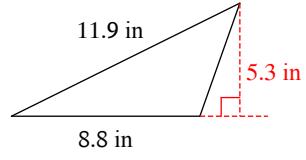
52)



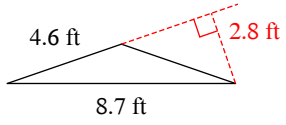
53)



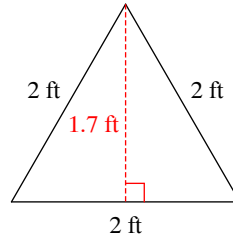
54)



55)



56)



Answers to Chapter 10: Polygons and Area (ID: 1)

- | | | | |
|-------------------------|--------------------------|--------------------------|--------------------------|
| 1) heptagon | 2) hexagon | 3) hexagon | 4) hexagon |
| 5) hexagon | 6) decagon | 7) convex | 8) concave |
| 9) concave | 10) concave | 11) concave | 12) convex |
| 13) not regular | 14) regular | 15) not regular | 16) not regular |
| 17) not regular | 18) regular | 19) 900° | 20) 1260° |
| 21) 360° | 22) 1080° | 23) 1440° | 24) 720° |
| 25) 90° | 26) 128.6° | 27) 144° | 28) 135° |
| 29) 150° | 30) 120° | 31) 45° | 32) 51.4° |
| 33) 72° | 34) 40° | 35) 90° | 36) 30° |
| 37) 1328.9 | 38) 165.6 | 39) 710.5 | 40) 440 |
| 41) 1584 | 42) 487.2 | 43) 173.9 | 44) 280.8 |
| 45) 35 ft^2 | 46) 3.2 cm^2 | 47) 72.38 mi^2 | 48) 9.6 km^2 |
| 49) 78 mi^2 | 50) 34.8 ft^2 | 51) 5.4 ft^2 | 52) 41.61 ft^2 |
| 53) 7.65 km^2 | 54) 23.32 in^2 | 55) 6.44 ft^2 | 56) 1.7 ft^2 |