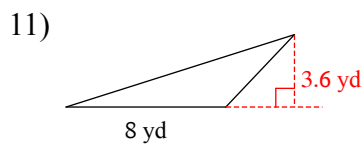
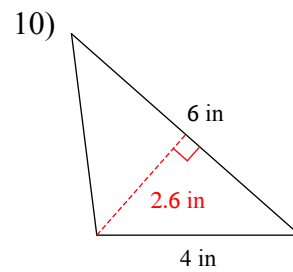
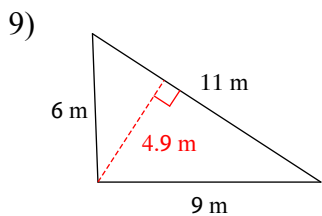
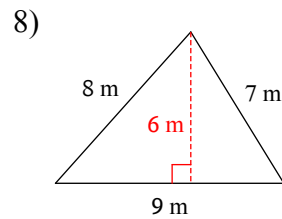
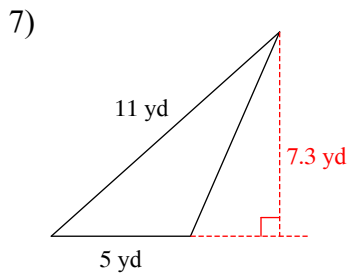
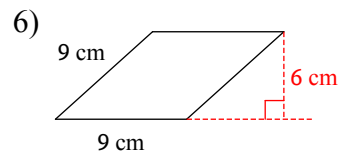
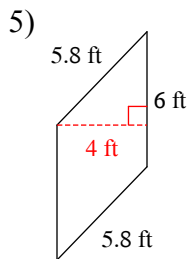
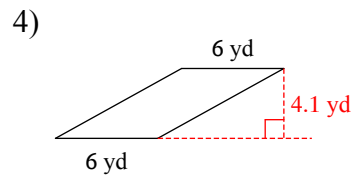
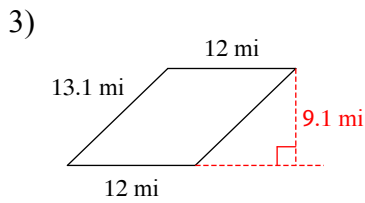
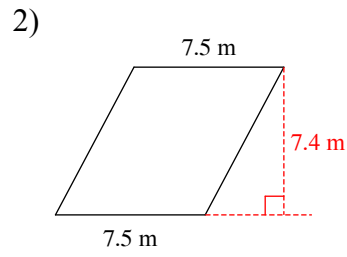
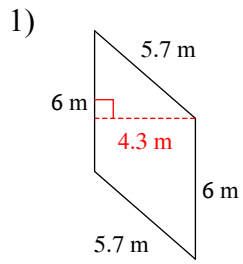
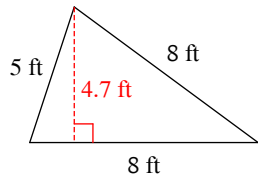


Chapter 11: Areas of Polygons

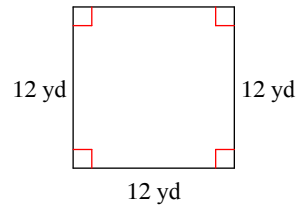
Find the area of each.



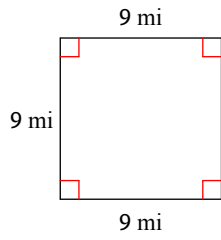
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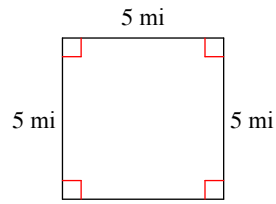
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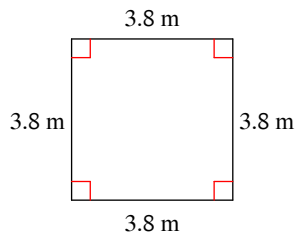
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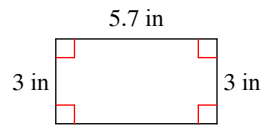
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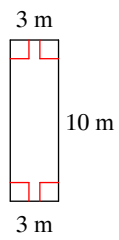
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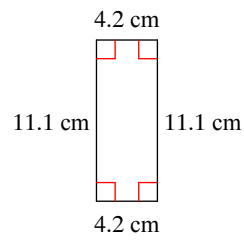
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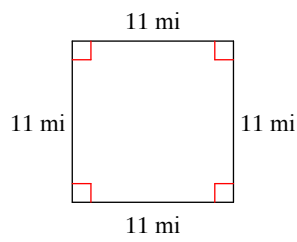
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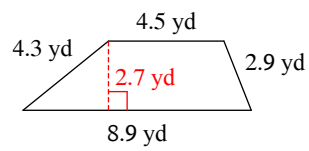
19)



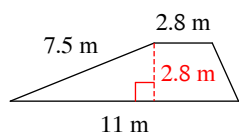
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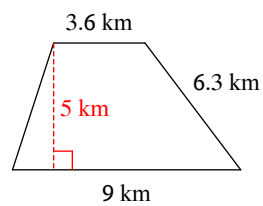
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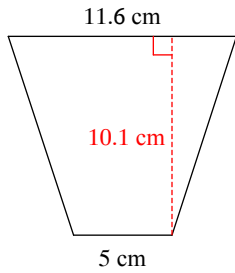
22)



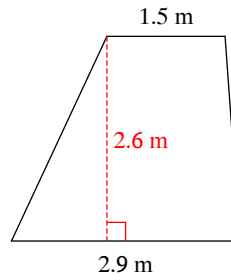
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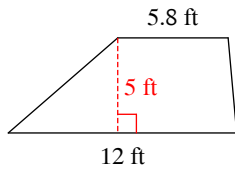
24)



25)

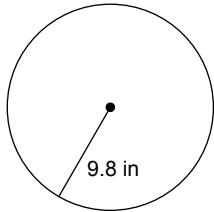


26)

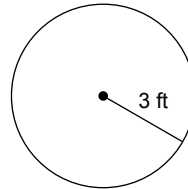


Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

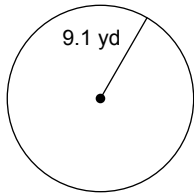
27)



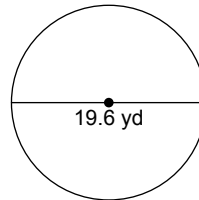
28)



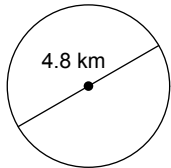
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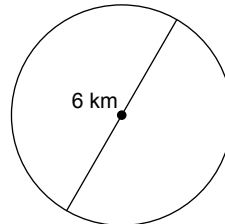
30)



31)



32)

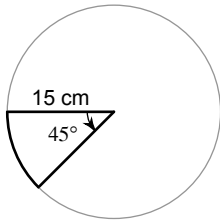


Find the radius of each circle. Use your calculator's value of π . Round your answer to the nearest tenth.

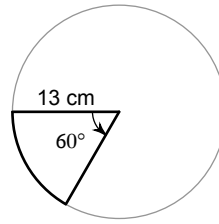
33) area = 181.5 km^2 34) area = 50.3 mi^2 35) area = 201.1 mi^2 36) area = 113.1 ft^2

Find the area of each sector.

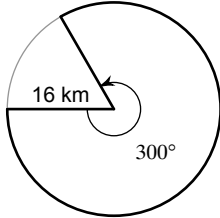
37)



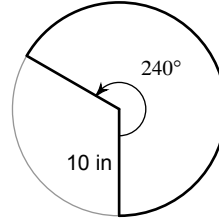
38)



39)

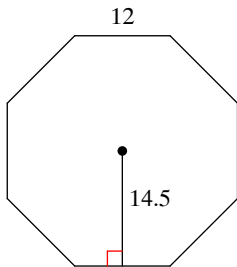


40)

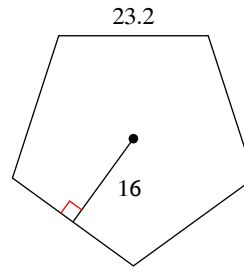


Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

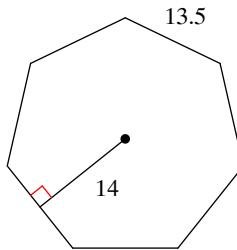
41)



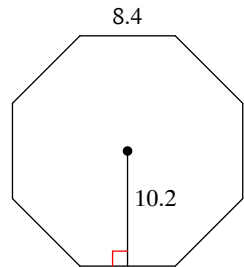
42)



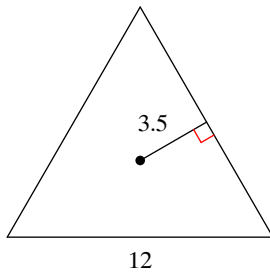
43)



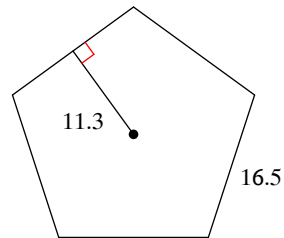
44)



45)



46)



Answers to Chapter 11: Areas of Polygons (ID: 2)

- | | | | |
|--|--|--|--|
| 1) 25.8 m ² | 2) 55.5 m ² | 3) 109.2 mi ² | 4) 24.6 yd ² |
| 5) 24 ft ² | 6) 54 cm ² | 7) 18.25 yd ² | 8) 27 m ² |
| 9) 26.95 m ² | 10) 7.8 in ² | 11) 14.4 yd ² | 12) 18.8 ft ² |
| 13) 144 yd ² | 14) 81 mi ² | 15) 25 mi ² | 16) 14.44 m ² |
| 17) 17.1 in ² | 18) 30 m ² | 19) 46.62 cm ² | 20) 121 mi ² |
| 21) 18.09 yd ² | 22) 19.32 m ² | 23) 31.5 km ² | 24) 83.83 cm ² |
| 25) 5.72 m ² | 26) 44.5 ft ² | 27) 301.7 in ² | 28) 28.3 ft ² |
| 29) 260.2 yd ² | 30) 301.7 yd ² | 31) 18.1 km ² | 32) 28.3 km ² |
| 33) 7.6 km | 34) 4 mi | 35) 8 mi | 36) 6 ft |
| 37) $\frac{225\pi}{8}$ cm ² | 38) $\frac{169\pi}{6}$ cm ² | 39) $\frac{640\pi}{3}$ km ² | 40) $\frac{200\pi}{3}$ in ² |
| 41) 696 | 42) 928 | 43) 661.5 | 44) 342.7 |
| 45) 63 | 46) 466.1 | | |