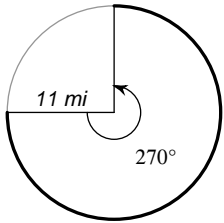


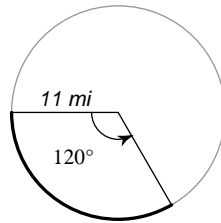
## Arc length and area of a sector

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

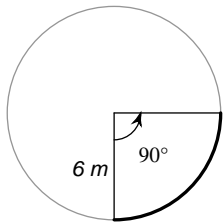
1)



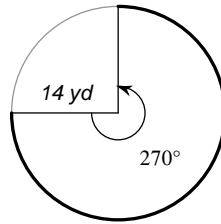
2)



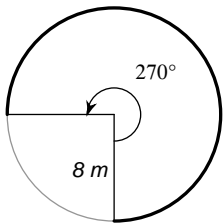
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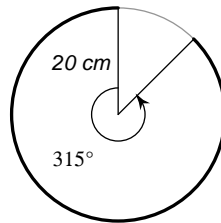
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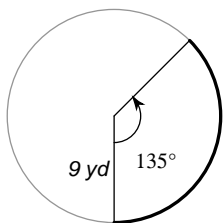
5)



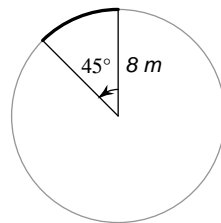
6)



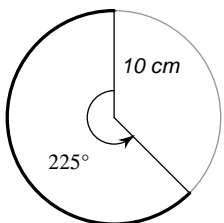
7)



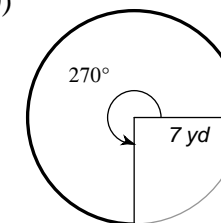
8)



9)

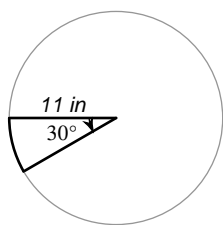


10)

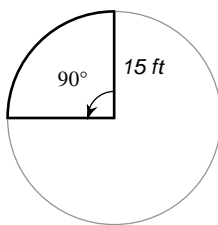


Find the area of each sector. Round your answers to the nearest tenth.

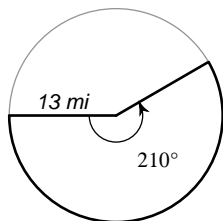
11)



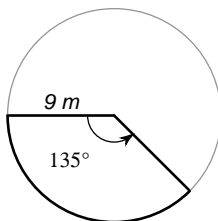
12)



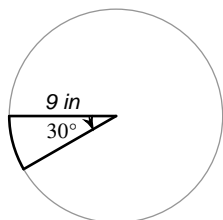
13)



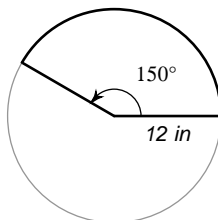
14)



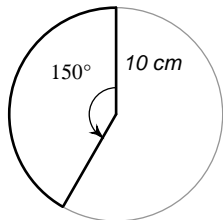
15)



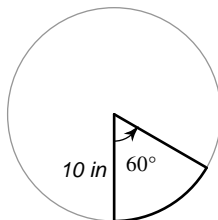
16)



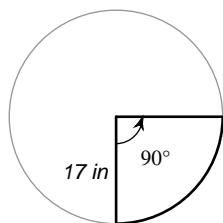
17)



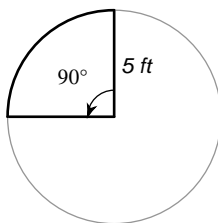
18)



19)



20)



## Answers to Arc length and area of a sector

- |                           |                          |                           |                           |
|---------------------------|--------------------------|---------------------------|---------------------------|
| 1) 51.8 mi                | 2) 23.0 mi               | 3) 9.4 m                  | 4) 66.0 yd                |
| 5) 37.7 m                 | 6) 110.0 cm              | 7) 21.2 yd                | 8) 6.3 m                  |
| 9) 39.3 cm                | 10) 33.0 yd              | 11) 31.7 in <sup>2</sup>  | 12) 176.7 ft <sup>2</sup> |
| 13) 309.7 mi <sup>2</sup> | 14) 95.4 m <sup>2</sup>  | 15) 21.2 in <sup>2</sup>  | 16) 188.5 in <sup>2</sup> |
| 17) 130.9 cm <sup>2</sup> | 18) 52.4 in <sup>2</sup> | 19) 227.0 in <sup>2</sup> | 20) 19.6 ft <sup>2</sup>  |