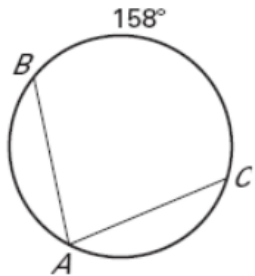
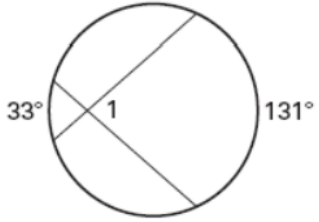
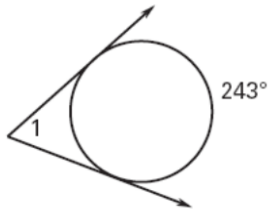
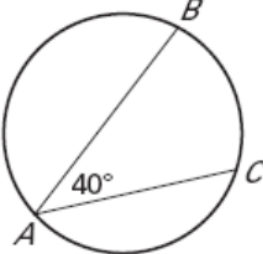
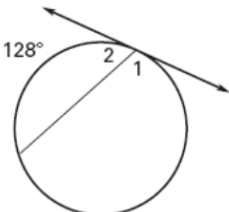
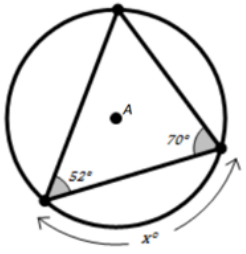
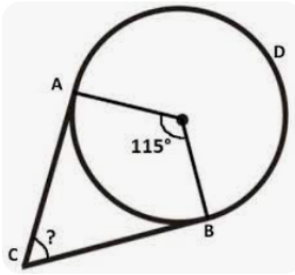
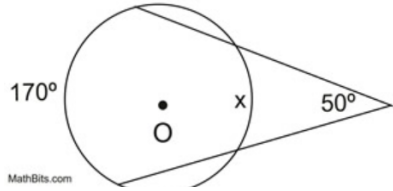
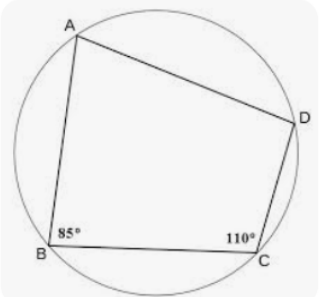
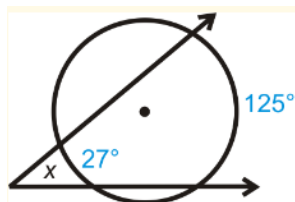
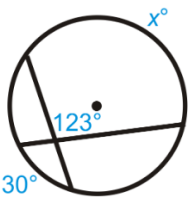


# Study Guide

1. Find missing value:

|  |   |   |
|--|---|---|
|  <p><math>m\angle A = \underline{\hspace{2cm}}</math></p> |  <p>Angle 1 = <math>\underline{\hspace{2cm}}</math></p>  |  <p>Angle 1 = <math>\underline{\hspace{2cm}}</math></p>  |
|  <p>Arc BC = <math>\underline{\hspace{2cm}}</math></p>   |  <p>Angle 1 = <math>\underline{\hspace{2cm}}</math>, Angle 2 = <math>\underline{\hspace{2cm}}</math></p> |   |
|   |  <p>MathBits.com</p>  | <p>Angle A = <math>\underline{\hspace{2cm}}</math>,<br/>angle D = <math>\underline{\hspace{2cm}}</math></p>  |
|   |    |   |

2) For each circle: Identify its center and radius.

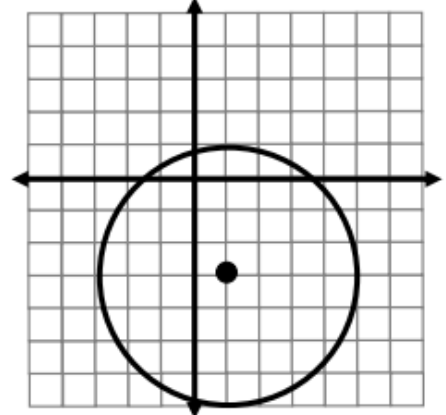
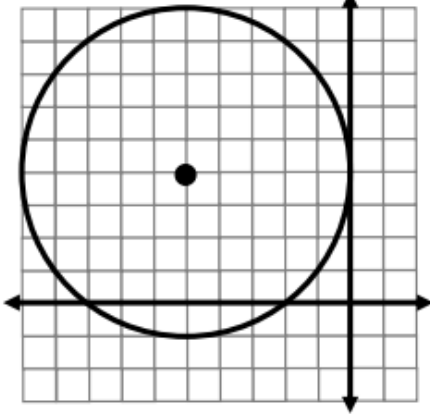
a.  $(x + 2)^2 + (y - 5)^2 = 36$

b.  $x^2 + (y - 9)^2 = 18$

c.  $(y + 1)^2 + (x + 7)^2 = 24$

3.

4. Write the equation of the following circles:



Convert radians to degrees

1)  $155^\circ$

2)  $80^\circ$

3)  $285^\circ$

4)  $255^\circ$

5)  $\frac{17\pi}{36}$

6)  $135^\circ$

7)  $\frac{25\pi}{18}$

8)  $150^\circ$

5. Find the arc length:

