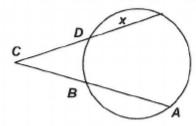
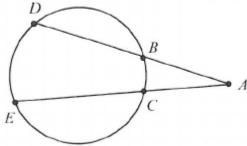
Pre-Calc AB: Geometry Review

Find the value of x if AB = 15, BC = 8, and CD = 7.



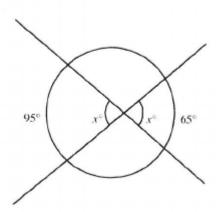
1.

If $\widehat{mDE} = 131$ and $\widehat{mBC} = 69$, find the measure of $\angle A$.

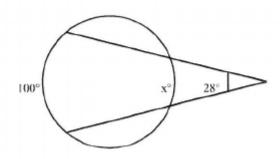


2.

Find x.

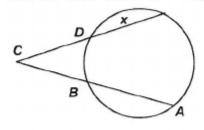


Find x.



4.

Find the value of x if AB = 18, BC = 10, and CD = 9.



[A] 22.1

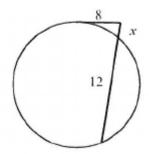
[B] 23.7

[C] 19.0

[D] 24.4

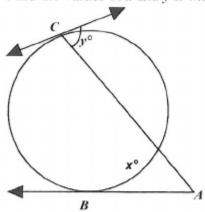
5.

Solve for x.



6.

Find the values of x and y if $m\angle A = 22$ and $m\widehat{BC} = 106$.



[A] 84: 96

[B] 62; 192

[C] 84; 192

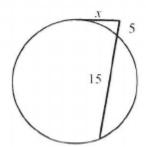
[D] 62; 96

Solve for x.

[A] 9

[B] 5 [C] 15

[D] 10



8.

Find the sum of the measures of the interior angles of an octagon.

9.

Find the measure of each exterior angle of a regular polygon with 18 sides.

[A] 20°

[B] 160°

[C] 22°

[D] 202°

10.

Find the sum of the measures of the interior angles of a hexagon.

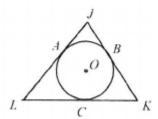
[A] 360° 11.

[B] 540°

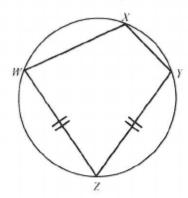
[C] 900°

[D] 720°

The triangle and the circle are tangent at three points as shown (not drawn to scale). If JA = 10, AL = 14, and CK = 12, find the perimeter of ΔJKL .

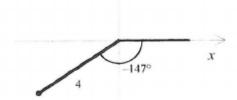


Given: $m \angle X = 110$; $\overline{WZ} \cong \overline{YZ}$; $m \angle Y = 100$



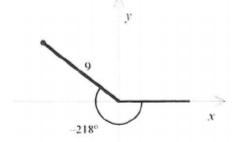
Refer to the diagram to find the measure of each of the following:

- a) $m \angle Z$
- b) $m\widehat{WZ}$
- c) $m \angle W$
- 13. d) $m\widehat{WX}$
 - 22. Describe the vector using polar notation.



14.

Describe the vector using polar notation.



15.

Convert 3/30° to rectangular coordinates.

- 1. $x = \frac{135}{7}$
- 2. 31°
- 3. 80
- 4. 44
- 5. A
- 6. 4
- 7. D
- 8. D
- 9. 1080°
- 10. A
- 11. D
- 12. 72
- 13. a) 70 b) 110 c) 80 d) 90
- 14. $4\angle 147^{\circ}$
- 15. B
- 16. $(\frac{3\sqrt{3}}{2}, \frac{3}{2})$