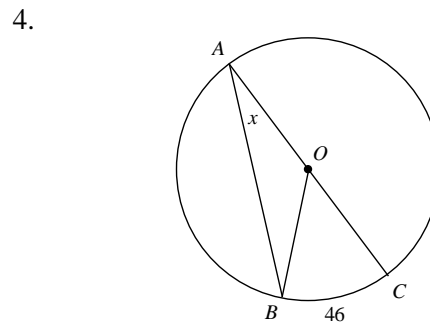
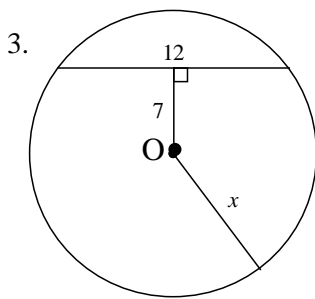
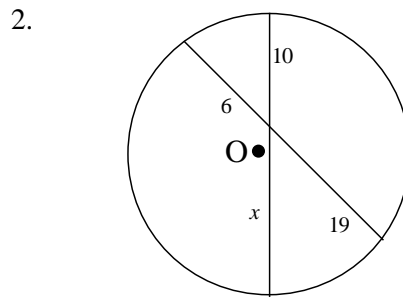
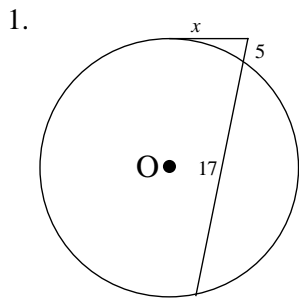
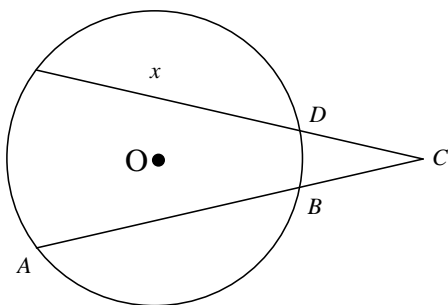


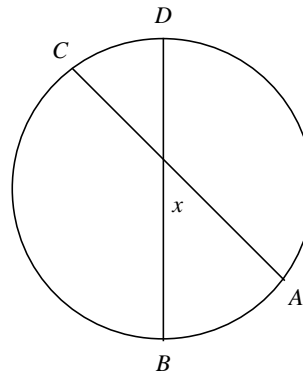
Assume that lines that appear to be tangent are tangent. O is the center of the circle. Find the value of x . Round answers to the *nearest tenth*, if necessary.



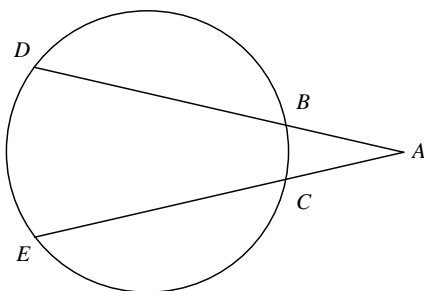
5. $AB = 18$, $BC = 8$, and $CD = 9$



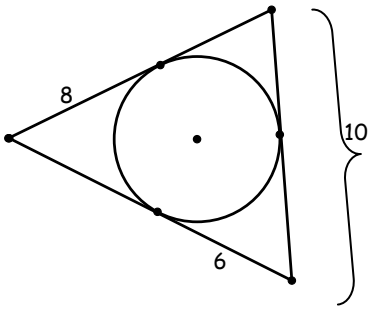
6. $m\widehat{AB} = 48$ and $m\widehat{CD} = 24$



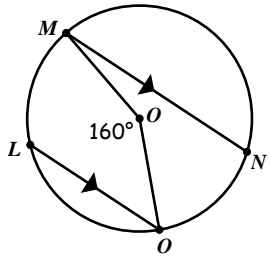
8. $m\widehat{DE} = 98$ and $m\widehat{BC} = 50$. Find $m\angle A$. (The figure is not drawn to scale.)



9. Find the perimeter of the triangle.

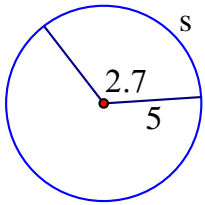


10. In circle O, $\widehat{ML} : \widehat{OL} = 3 : 5$. Find the $m\widehat{MN}$.

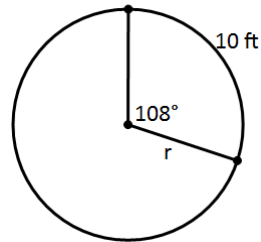


11. Find the missing value.

a.

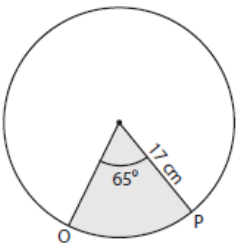


b.

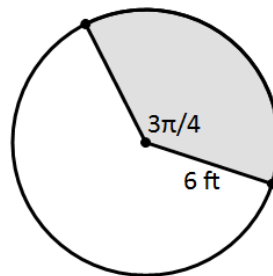


12. Find the area of the shaded sector to the nearest tenth.

a.



b.



11. a. Convert 70° to radians (in terms of π)

b. Convert $\frac{3\pi}{8}$ radians into degrees (to the nearest tenth)