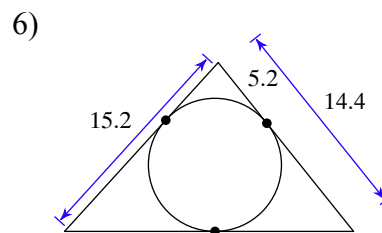
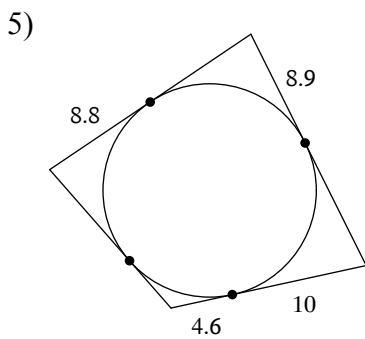
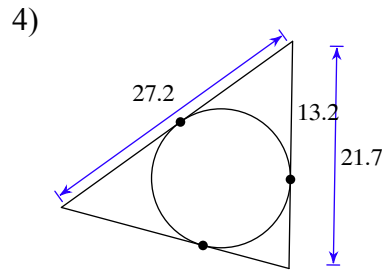
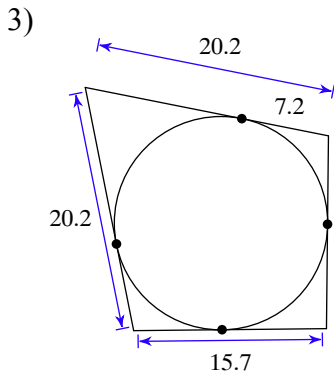
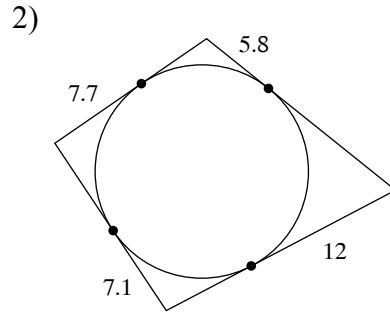
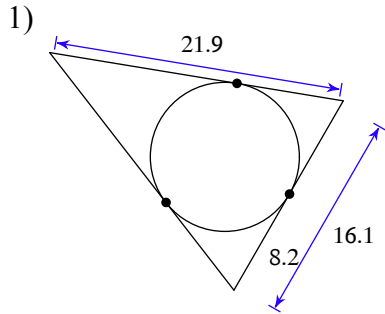
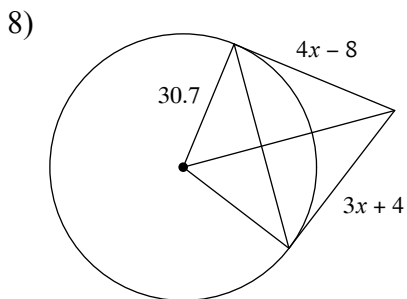
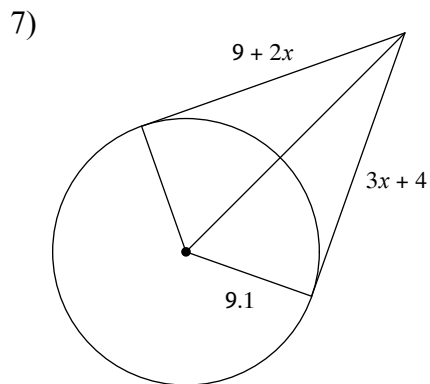


Tangents, Secants, and Circumscribed Angles

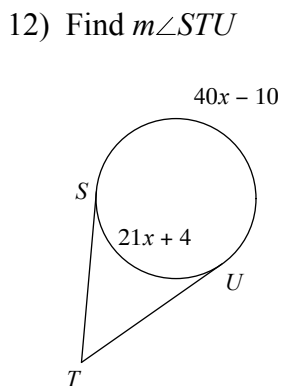
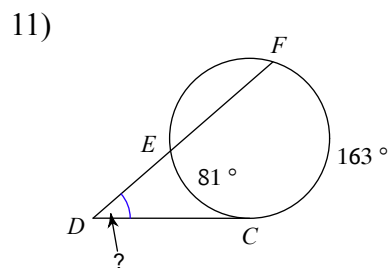
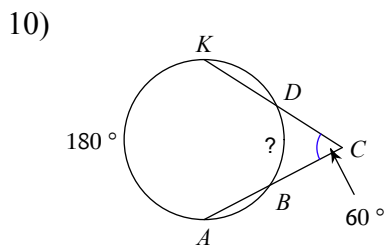
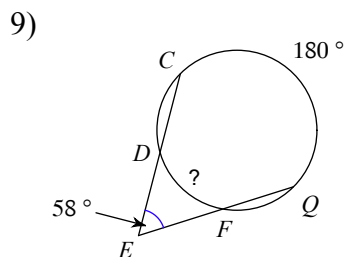
Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.



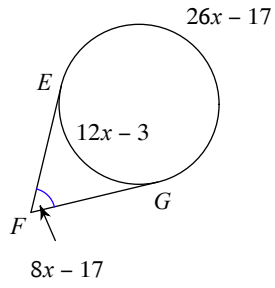
Solve for x . Assume that lines which appear to be tangent are tangent.



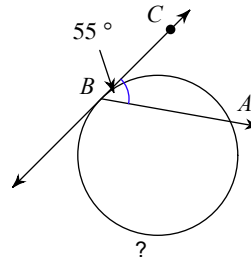
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.



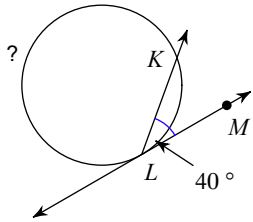
13) Find $m\angle GFE$



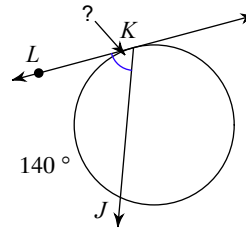
14)



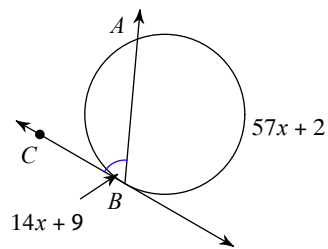
15)



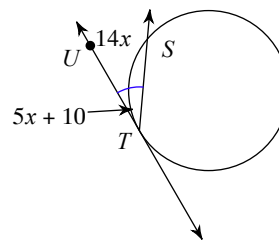
16)



17) Find $m\angle ABC$



18) Find $m\angle STU$

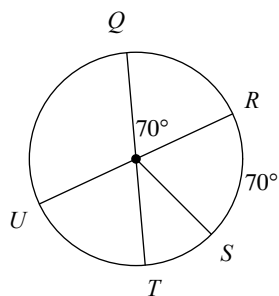


19) Draw a circle inscribed in a triangle.

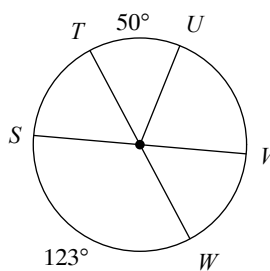
20) Draw a circle circumscribed about a square.

Find the measure of the arc or angle indicated.

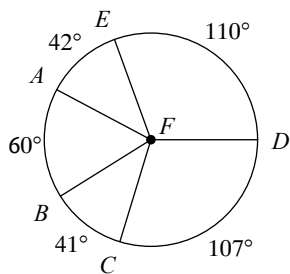
21) $m\widehat{ST}$



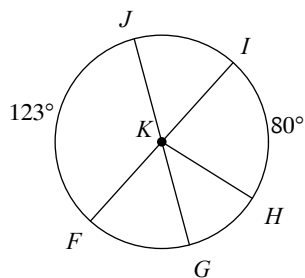
22) $m\widehat{UWT}$



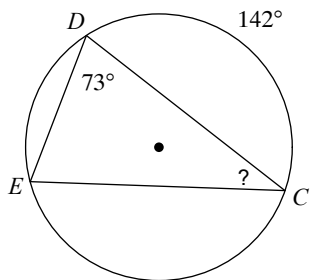
23) $m\angle DFB$



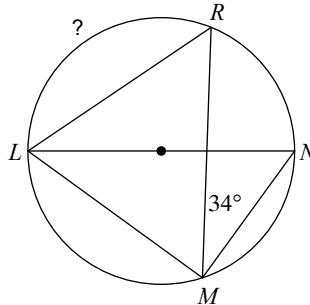
24) $m\angle JKI$



25)

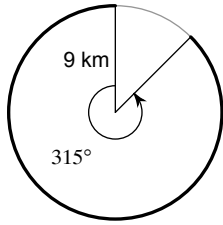


26)

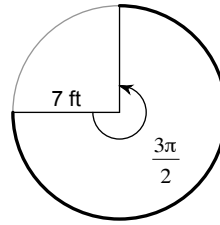


Find the length of each arc as an exact answer.

27)

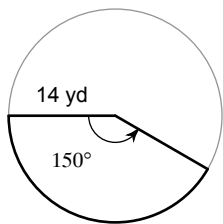


28)

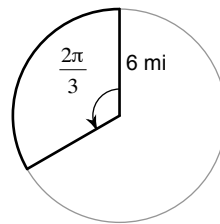


Find the area of each sector as an approximate answer.

29)



30)



Solve for x by factoring the quadratic.

31) $(x + 5)(x - 7) = 0$

32) $2(3x + 1)(2x - 5) = 0$

33) $x^2 + 5x - 6 = 0$

34) $-2x^2 + 50 = 0$