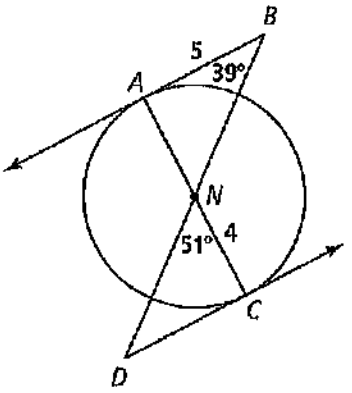
Do Now – Tangents

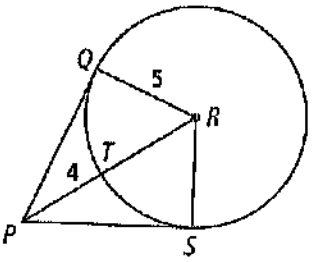
Name:_____

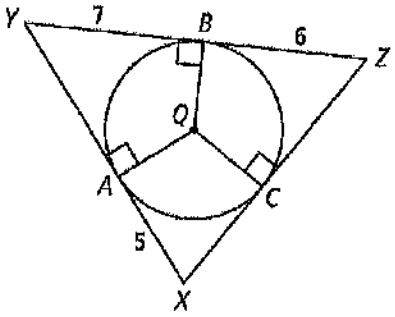
1. Given $\overrightarrow{DC}$ is tangent to $\odot N$ at point C, is each statement true for $\odot N$?

	Yes	No
$m\angle DCN < m\angle BAN$	□	□
$\overrightarrow{BA}$ is tangent to circle N at point A.	□	□
$NB \approx 6.4$	□	□



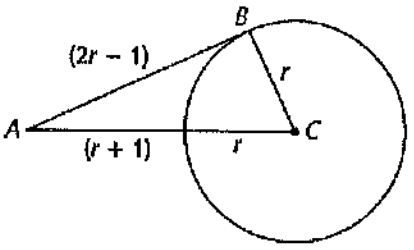
2. If $\overline{PQ}$ is tangent to circle R at point Q and $\overline{PS}$ is tangent to $\odot R$ at point S, what is the perimeter of quadrilateral $PQRS$?



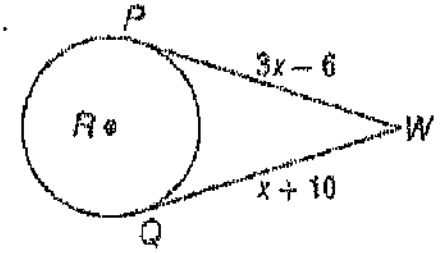


3. What is the perimeter of ΔXYZ?

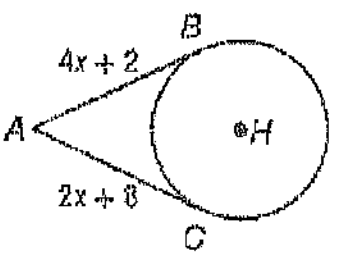
4. Given $\overline{AB}$ is tangent to $\odot C$ at point B, what is the circumference of $\odot C$?



Find the value of x:



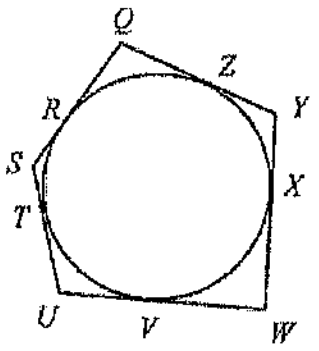
4.



Do Now – Tangents

Name:_____

The circle is circumscribed by the pentagon as shown (not drawn to scale). If $QZ = 12$, $YX = 6$, $XW = 11$, $UW = 17$, and $SU = 11$, find the perimeter of the pentagon.



$\overline{AB}$ is tangent to $\odot O$ at A (not drawn to scale). Find the length of the radius.