TANGENTS

Tangent Theorem: The tangent line (or segment, or ray) is to the of the circle		
at the point of tangency. (Us problems with circles.)	e this to solve right triangle	
Refer to [⊙] C with tangent AB. Find x.	5 12 A	
x =	c X	
Equivalent Tangent Theorem: If two segments from the same point are tangent to a circle, then		
they are	are tangent to a circle, then	
	2x - 3	
Find x.	(c•) > P	
x =	27	
	R	
When circles are inscribed in polygons, the polygons are said		
to be		
each side is		
Δ TRW is circumscribed about	Ţ	
\odot A. If the perimeter of \triangle TRW	K L	
is 50, TK = 3, and WM = 9.5, find TR.	(A*)	
TR =	W M R	

INSCRIBED ANGLES

If two	angles of a circle or
congruent circles intercept congruer	nt arcs or the same arc,
then the angles are	·
In circle Q, m ST = 68°.	R
Find the $m\angle 1$ and $m\angle 2$.	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
m∠1 =	(Q. X)
m∠2 =	Z T
If an inscribed angle of a, then the	•
angle.	F
Find x.	X.o
x =	F P G
	H
If a quadrilateral is inscribed angles are	
Quadrilateral QRST is inscribed	R
in circle C. If $m\angle T = 105^{\circ}$ and $m\angle S = 97^{\circ}$, find $m\angle Q$ and $m\angle R$.	
m∠Q =	Q C S
m∠R =	T