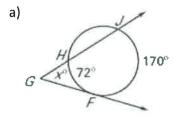
Name:	Keu		
Date .	J	Period ·	_



I can find the measures of angles "OUT" of a circle

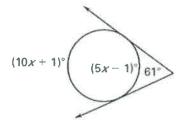
	A tangent and a secant
	big 3 small
	$m \angle 1 = \frac{1}{2} \left(m \stackrel{\frown}{AD} - m \stackrel{\frown}{BD} \right)$
	Two tangents
If two segments intersect in the exterior of a circle, then the measure of the angle formed	big - H Small
is half of the difference	
of the measures of its intercepted arcs.	$m\angle 2 = \frac{1}{2} \left(m \stackrel{\frown}{EHG} - m \stackrel{\frown}{EG} \right)$
outside angle = $\frac{1}{2}$ (bigarc -small arc)	Two secants
	big wismall
	$m/3 = \frac{1}{3} (m) \hat{N} - m \hat{K} \hat{M}$

Example 1: Please find the value of x in the following diagrams.



$$X = \frac{1}{a}(170-73)$$

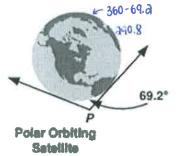
b)



$$61 = \frac{1}{2}(10X+1-5X+1)$$

$$61=\frac{1}{2}(5\times+2)$$

c) A polar orbiting satellite is about 850 kilometers above Earth. About 69.2 arc degrees of the planet are visible to a camera in the satellite. What is $m \angle P$?



$$m$$