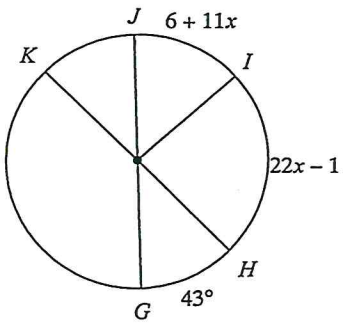
Math 3 Name_____ ID: 1

Arc measure and arc length

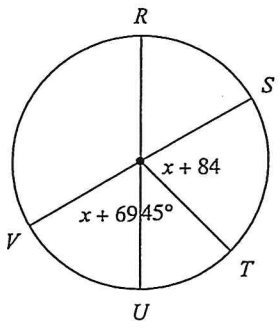
Date_____ Period____

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\widehat{IH}$

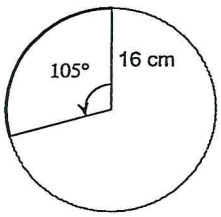


2) $m\widehat{RT}$

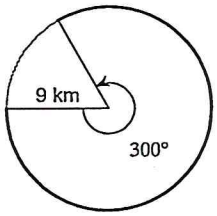


Find the length of each arc. (major + minor!)
(2)

3)



4)



5) $r = 12$ in, $\theta = 270°$

6) $r = 9$ km, $\theta = 240°$

θ is the central ∠!

7) A circle has an arc measure of 80 degrees and an arc length of 88π. What is the diamter of the circle?