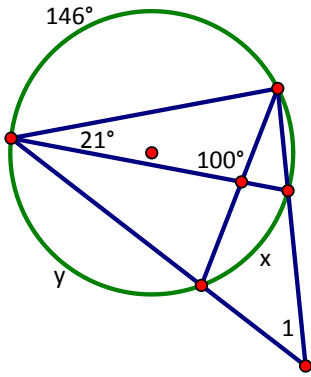


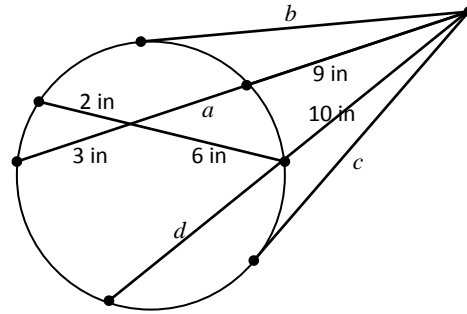
Review Day 1 Homework

For all of the following problems, segments which appear to be tangent are tangent. Centers are indicated by a point so do not assume a center if none is provided.

1) Find the measure of the following arcs, angles, or segments represented by the variables.

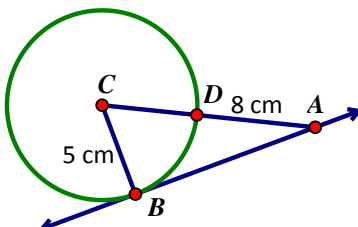


$m\angle 1 =$ _____
 $m\widehat{x} =$ _____
 $m\widehat{y} =$ _____



$a =$ _____
 $b =$ _____
 $c =$ _____
 $d =$ _____

2. Find AB in circle C.

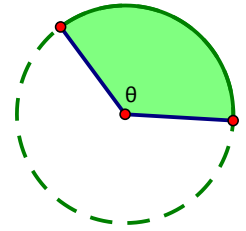


3. A circle has a radius of 5 inches with a central angle of 110° . Find the following:

A) The arc length in terms of π .

B) The area of the sector to the nearest hundredth of a square inch.

C) The angle measure in radians.



4. Determine the equation of the circle J with endpoints of the diameter $G(7,-2)$ and $H(3, 4)$. Use of the grid is optional.

