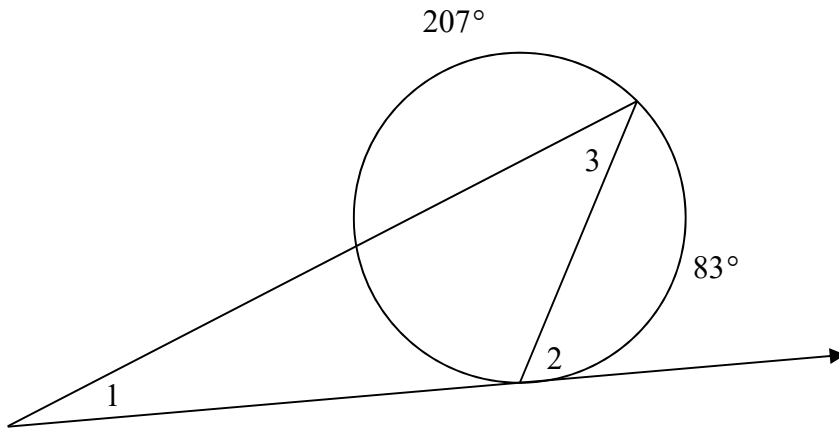


Geometry Accelerated
Chapter 12 Practice Test

Name: _____

1. Find the measure of angles 1, 2, and 3 in the diagram below.

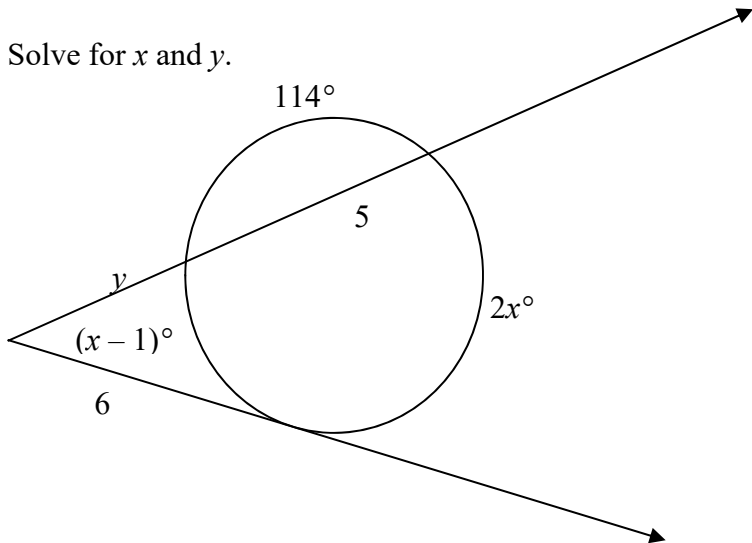


$m\angle 1 =$ _____

$m\angle 2 =$ _____

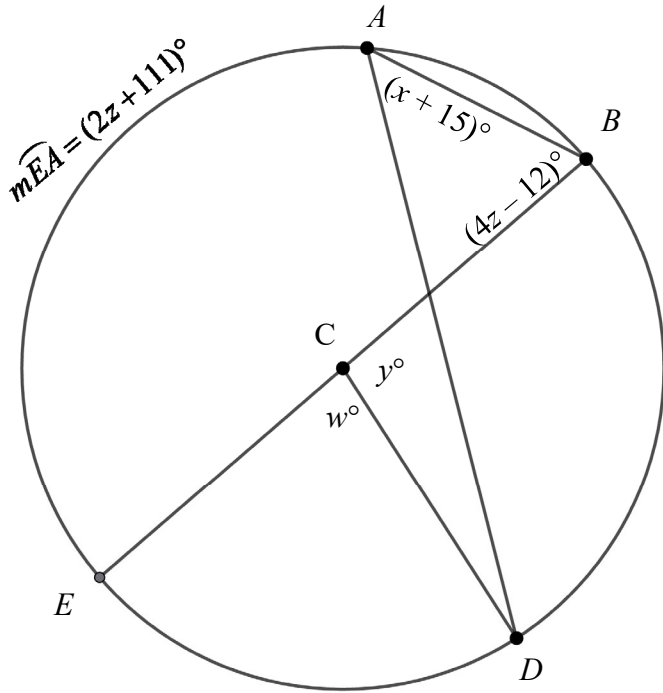
$m\angle 3 =$ _____

2. Solve for x and y .



A.M.D.G.

3. Solve for all variables in the picture below. C is the center of the circle.



$w =$ _____

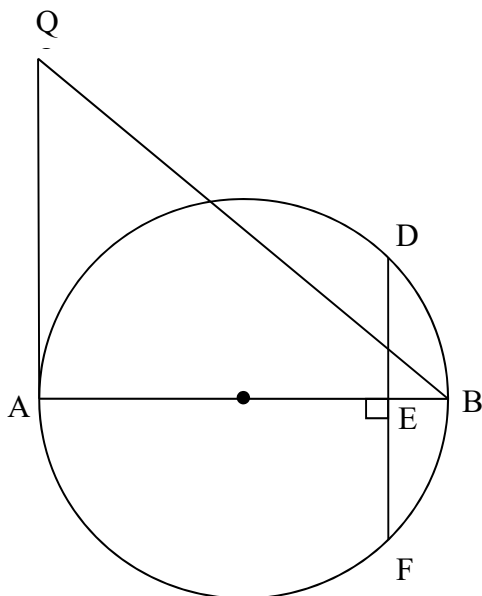
$x =$ _____

$y =$ _____

$z =$ _____

$m\widehat{BD} = (3x + 17)^\circ$

4. In the figure below, \overline{AB} is a diameter, the radius is 10 cm, $AE = 18$ cm, $DE = 6$ cm, and $QA = 9$ cm. Find the following: (Hint: To find EB , draw a radius from the center to point F .)



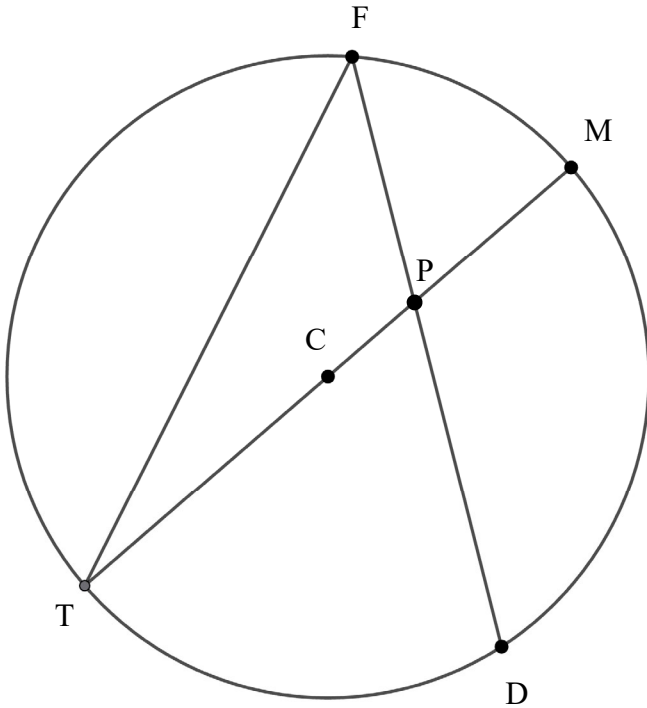
$EF =$ _____

$EB =$ _____

$QB =$ _____

A.M.D.G.

6. Find $m\angle TFD$, $m\angle TPD$, and x . C is the center of the circle and \overline{MT} is a diameter.



$$m\widehat{FM} = 36^\circ$$

$$m\widehat{TD} = 108^\circ$$

$$PT = (x - 7) \text{ in}$$

$$PM = (x + 8) \text{ in}$$

$$PF = 6 \text{ in}$$

$$PD = 9 \text{ in}$$