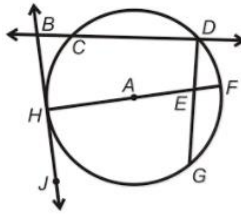


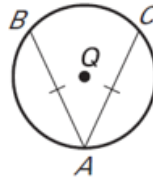
**Math 2: Module 7 (Circles) Test Review**

1) Name each part of the circle.

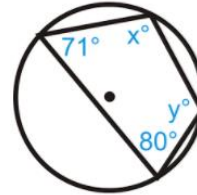


- $\overline{HA}$ : \_\_\_\_\_
- $\overline{DC}$ : \_\_\_\_\_
- H: \_\_\_\_\_
- $\overline{BD}$ : \_\_\_\_\_
- $\overline{JB}$ : \_\_\_\_\_
- $\overline{HF}$ : \_\_\_\_\_

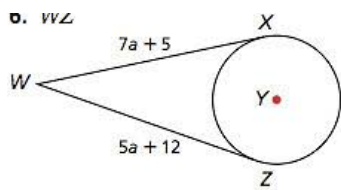
7) If  $m\widehat{BC} = 110^\circ$ , find  $m\widehat{AC}$ .



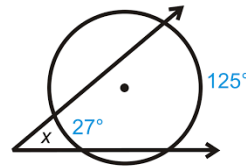
8) Solve for x and y.



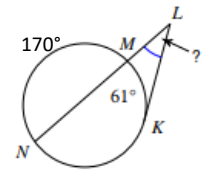
2)  $\overline{WX}$  and  $\overline{WZ}$  are tangent to circle Y. Solve for a.



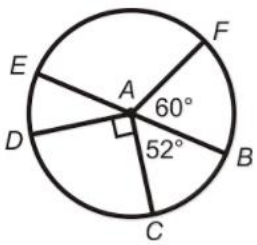
9) Solve for x.



10) Find  $m\angle L$ .

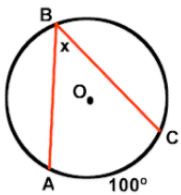


3) Given  $\overline{EB}$  is a diameter of circle A, find:

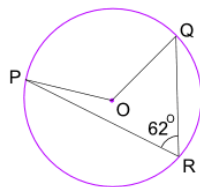


- $m\widehat{BC} =$  \_\_\_\_\_
- $m\widehat{ED} =$  \_\_\_\_\_
- $m\angle EAF =$  \_\_\_\_\_
- $m\widehat{EFC} =$  \_\_\_\_\_
- $m\widehat{ECB} =$  \_\_\_\_\_

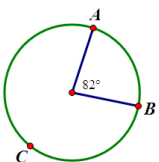
4) Find x.



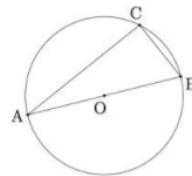
5) Find  $m\widehat{PQ}$  and  $m\angle POQ$



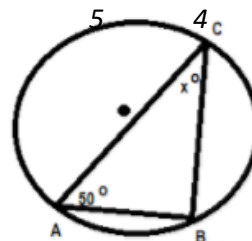
6) Find  $m\widehat{ACB}$



17) If  $\overline{AB}$  is a diameter, and  $m\angle A = 32^\circ$ , find  $m\angle B$  and  $m\angle C$ .



18) If  $m\widehat{CBA} = 170^\circ$ , find the following:

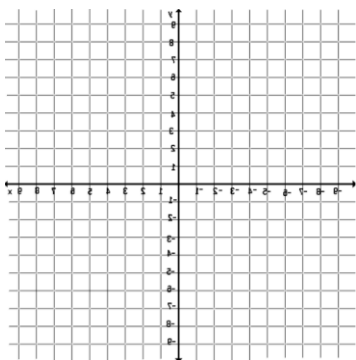


- $m\widehat{AB} =$  \_\_\_\_\_
- $m\angle ACB =$  \_\_\_\_\_
- $m\angle ABC =$  \_\_\_\_\_

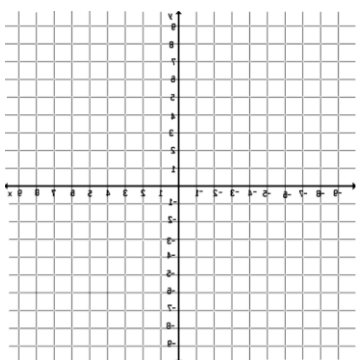
19) Write the standard form equation of the circle given the following information:

- Center (3, -7) and radius is 5
- Center (-2, 9) and radius is 7

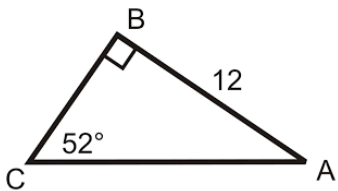
20) Graph  $(x - 2)^2 + (y + 3)^2 = 16$



21) Graph  $(x + 3)^2 + y^2 = 25$



22) Solve for all missing angles and sides:



23) Explain the difference between a central angle and an inscribed angle, and draw an example of each type.

Find the measure of each angle in diagram

1. In circle P,  $m\angle 1 = 40^\circ$  and  $m\widehat{FA} = 75^\circ$ . Find measure

