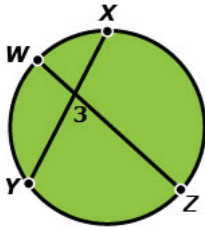
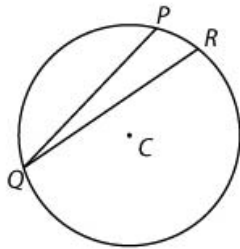


Unit 6 (circle) Study Guide

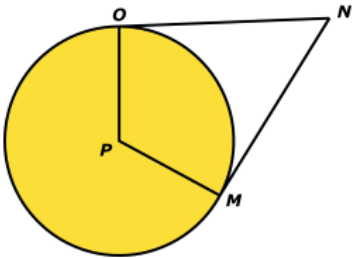
- 1) If arc WX = 35 degree and arc YZ = 97 degree, find angle 3.



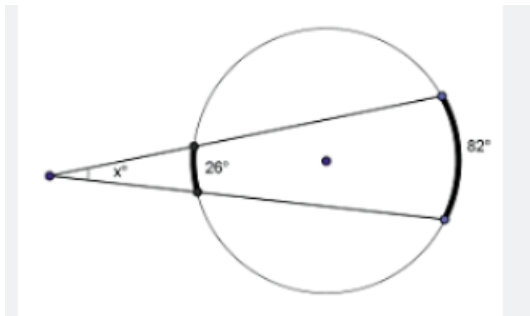
- 2) The measure of arc PR = 18. What's the measure of angle PQR?



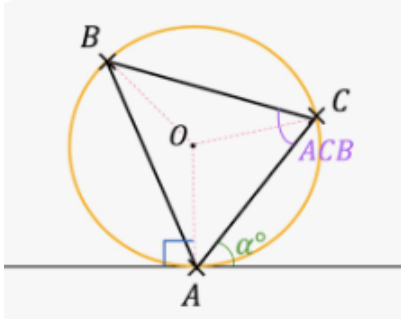
- 3) Angle OPM is 112 degree and line segments ON and MN are tangents to the circle, What's the measure of angle ONM?



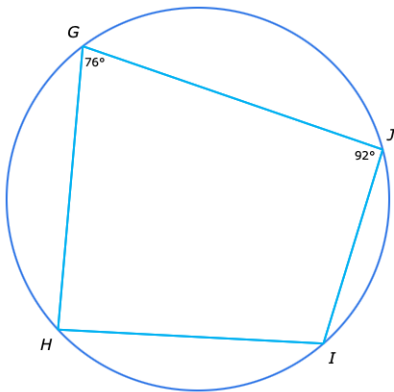
- 4) Find the measure of angle x



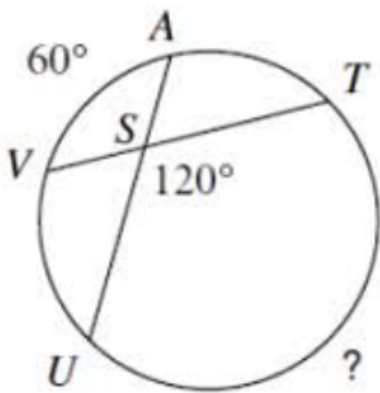
- 5) Angel B is 40 degree and Arc BC is 118, find the measure of angle C



- 6) What are $m\angle H$ and $m\angle I$?



- 7) What's the measure of Arc TU?

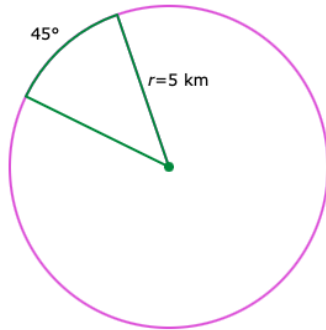


- 8) Convert the following radian to degree.

How many degrees is $\frac{3\pi}{10}$ radians?

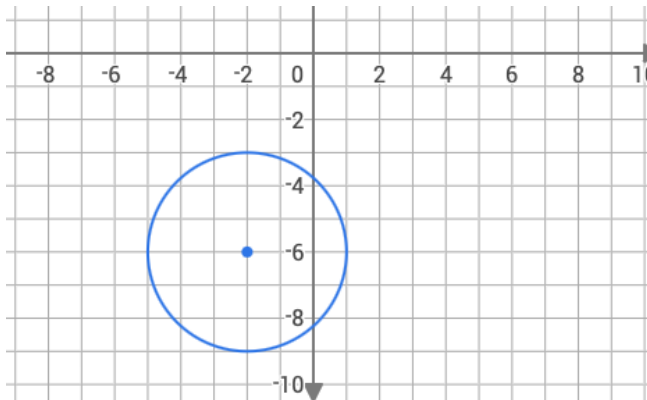
9) Convert 7π radians of rotation to degree.

10) Find the length of the arc bounded by the central angle.



11) Write the equation in standard form for the circle with center $(0, -2)$ and radius 8.

12) Write the equation of the circle from the graph below.



Some key relationships you should review over before the test.

- The relationship between inscribed angle and central angle
- What type of triangle does a line that is tangent to the circle create?
- The relationship between two inscribed angles pointing to the same Arc.

Please show your work and study and do well on the test!

