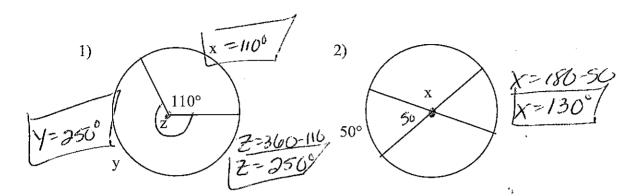
Kux

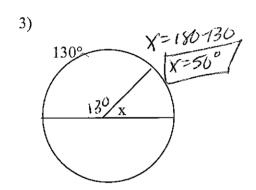
Challer

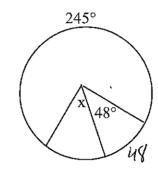
**Central Angles:** 

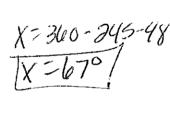
Find the value of the variable(s). Assume each segment is a radius.

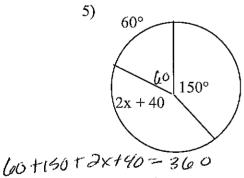


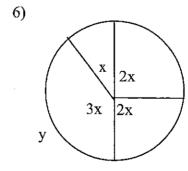
4)











X+2x+2x+3x=360 8x = 360

250 + 2x = 360 2x=1107

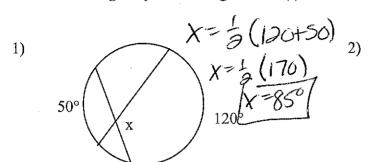
7)

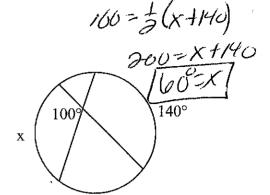
$$\begin{array}{c|c}
4x & 2x \\
2x - 14 \\
3x & 3x + 10
\end{array}$$

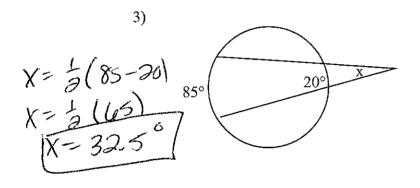
2x+2x-14+3x+10+3x+4x=360 14x-4=360

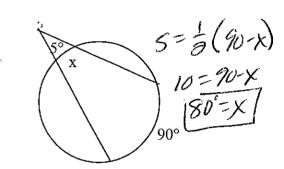
## Obj 9.8 Circles and Angles Homework

Find the angles of the missing variable(s).





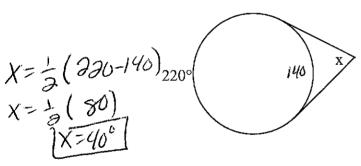




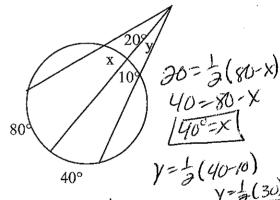
4)

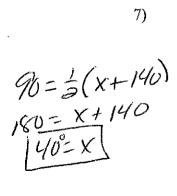
6)

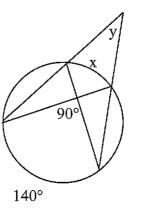
8)

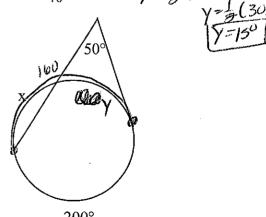


5)



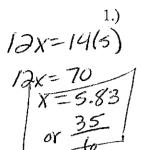


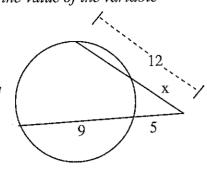


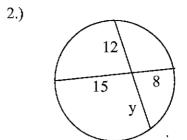


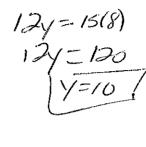
## Obj 9.9 Circles and Segments

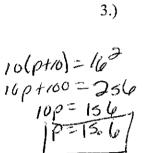
Find the value of the variable

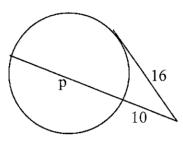


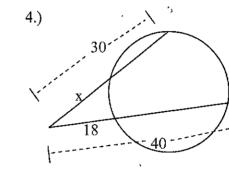


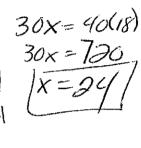


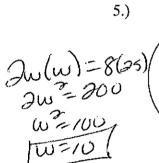


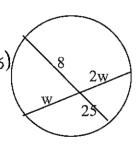


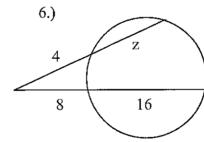


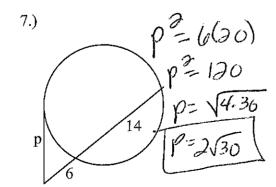


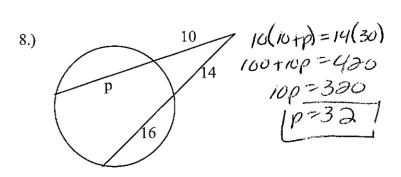






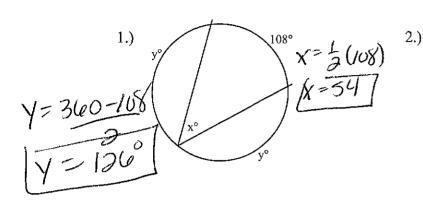


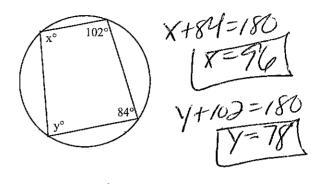


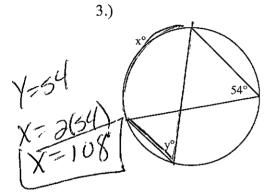


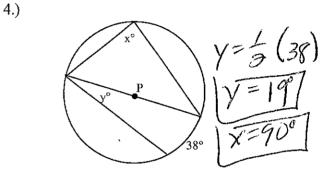
## 9-5 Inscribed Angles Homework

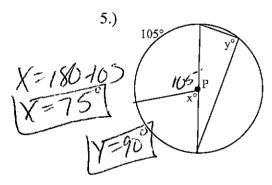
Find the value of each variable. If P is shown, it is the center of the circle.

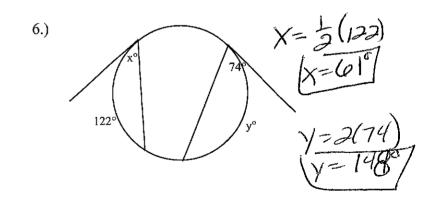


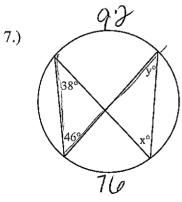


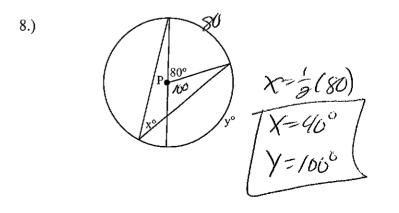








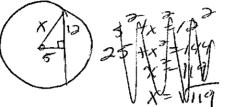




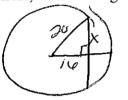
## Word Problems with Circles

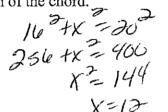
Draw pictures for the following problems then solve for the desired value.

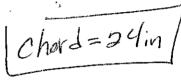
1.) A chord of a circle is 24 inches long. Find the radius of the circle if the chord is 5 inches from the center of the circle.



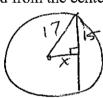
2.) The radius of a circle is 20 inches. If a chord is drawn 16 inches from the center of the circle, find the length of the chord.

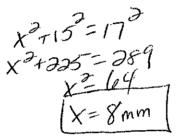




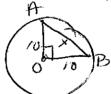


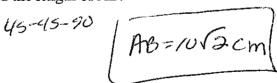
3.) A chord of a circle is 30 mm long. If the circle has a radius of 17 mm, how far is this chord from the center?



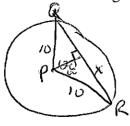


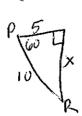
4.) Draw circle O with radii OA and OB that meet at a 90 degree angle. If the radius of the circle is 10 cm, find the length of AB.





5.) A circle with radii PQ and PR that meet at a 120 degree angle has a diameter of 20 inches. Find the length of QR.





X=5V3in QR=10V3in