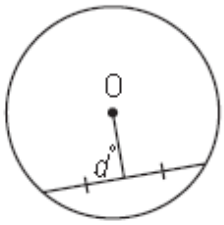
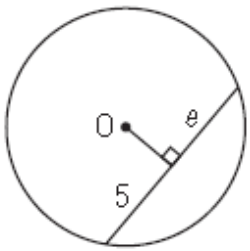
3. Point O is the centre of each circle. Determine the values of $d°$, e, and f.

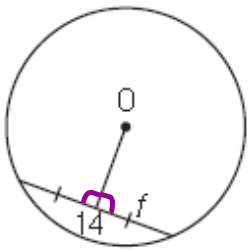
a)



b)

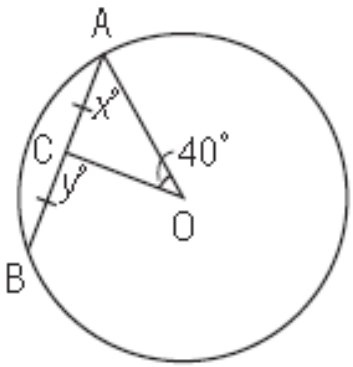


c)

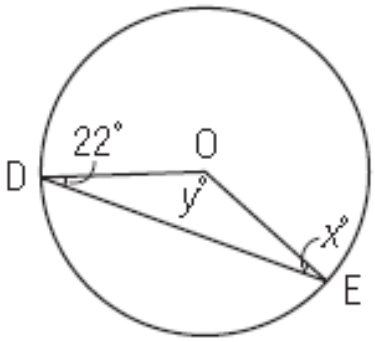


4. Point O is the centre of each circle. Determine each value of $x°$ and $y°$.

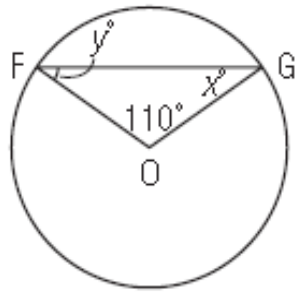
a)



b)

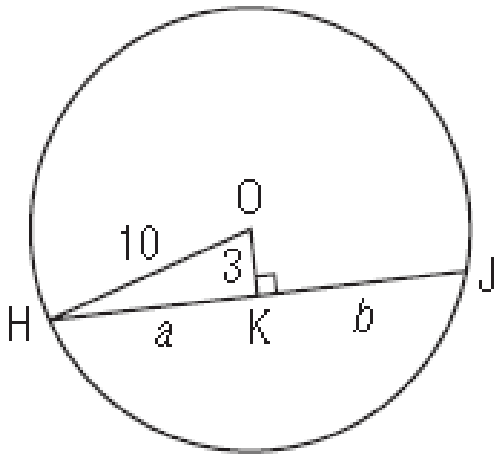


c)

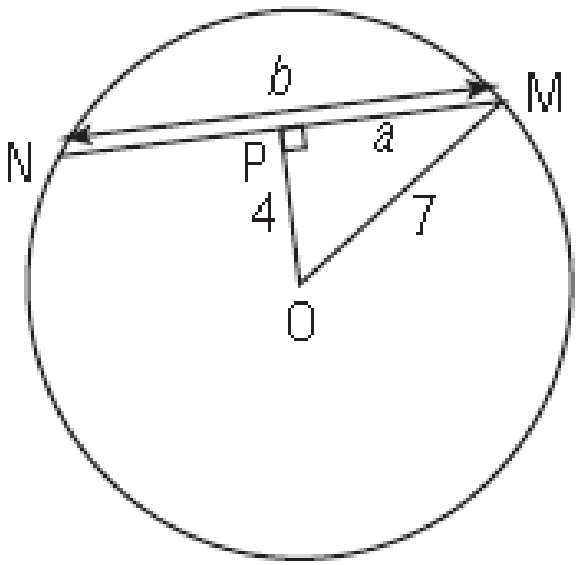


5. Point O is the centre of each circle. Determine each value of a and b.

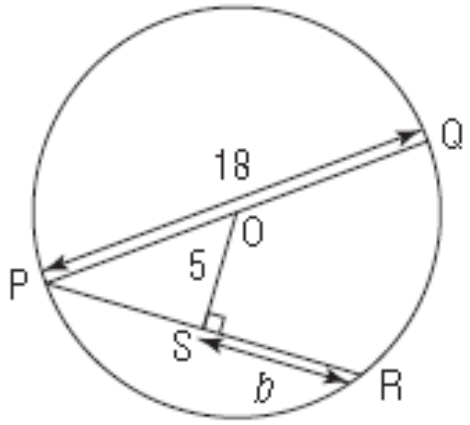
a)



b)

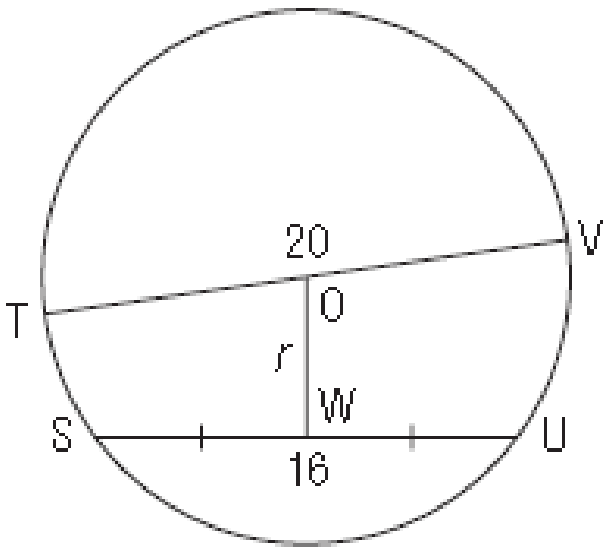


6. Point O is the centre of the circle. Determine the value of b. Which circle properties did you use?



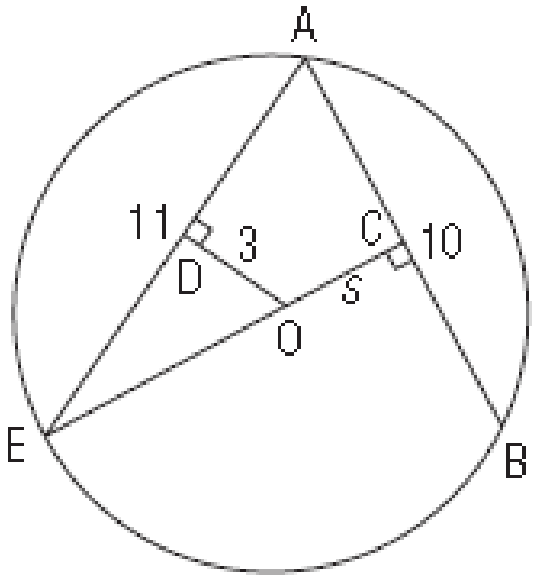
7. Point O is the centre of each circle. Determine each value of r. Which extra line segments do you need to draw first? Justify your solutions.

b)



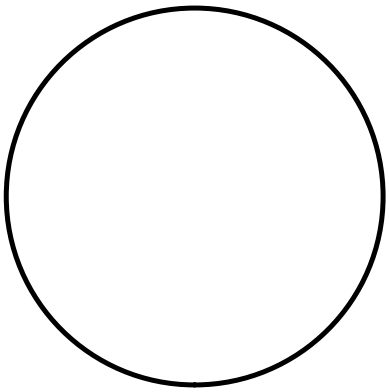
10. Point O is the centre of each circle. Determine each value of s. Which circle properties did you use?

a)



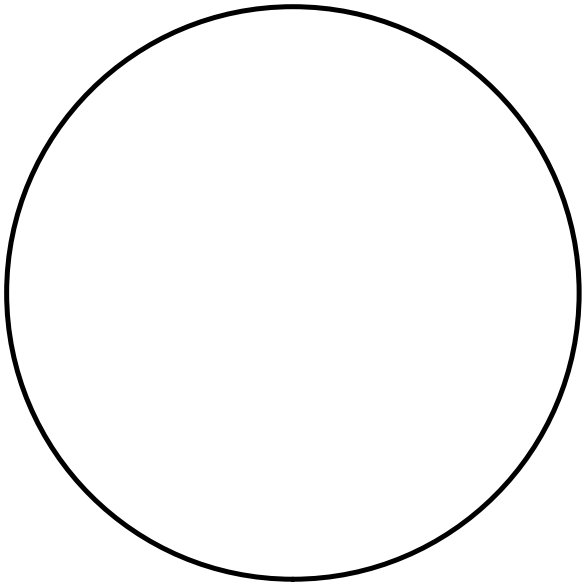
Do the yellow and then blue

11. A circle has diameter 25 cm. How far from the centre of this circle is a chord 16 cm long? Justify your answer.



The only reason they give you diameter is so you can use the radius

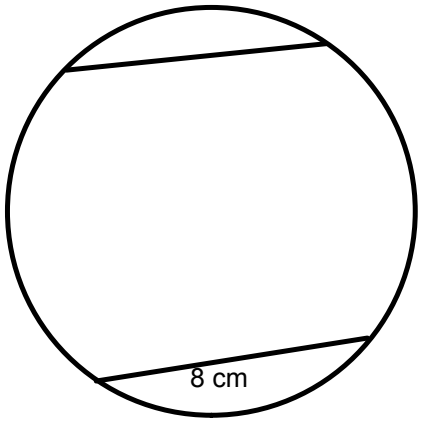
14. A chord is 6 cm long. It is 15 cm from the centre of a circle. What is the radius of the circle?



15. A circle has diameter 13 cm. In the circle, each of two chords is 8 cm long.

a) What is the shortest distance from each chord to the centre of the circle?

b) What do you notice about these congruent chords?



Attachments

Worksheet - Review of Algebra Unit.doc

Worksheet - Chord Properties.doc