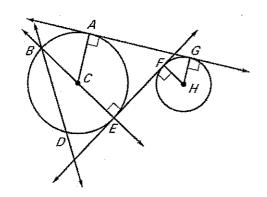
Geometry

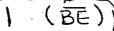
Review 10.1-10.3

Name_Key

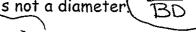
Use this figure to answer questions #1-7.



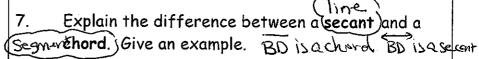
- 1. List all the radii shown in the figure.
- 2. How many diameters are shown?



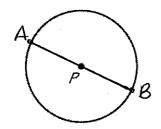
- 3. What is the best name for EF? Common Tongent
- 4. What is the best name for G? Point of Tangency
- 5. Name a chord that is not a diameter.



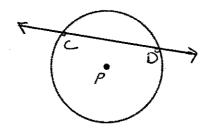
6. Name a **secant**.\



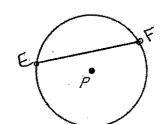
8. Draw a diameter and label it \overline{AB} .



9. Draw a secant and label it \overline{CD} .



10. Draw a chord and label it *EF*



Is the chord you drew a diameter? No

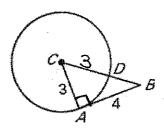
11. In circle C A is a point of tangency. Find DB.

$$3^2 + 4^2 = CB^2$$

$$BC - CD = DB$$

$$5 - 3 = DB$$

$$S = DB$$

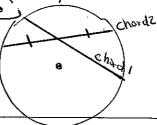


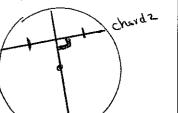
12. If chord 1 bisects chord 2 is chord 1 a diameter? If your answer is no, what would make it

a diameter? Draw a picture to demonstrate.

the chard must be a

Perpendicular bisector

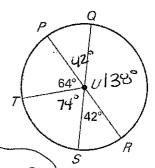




glaweter grand

13. Use the given circle and list all of the measures of all of the minor arcs.

Are you sure you found them all?

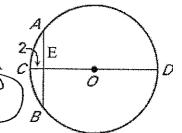


14. Name one major arc and give its measure.

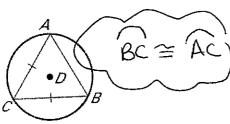
15. In the diagram below, CD is a diameter of \odot O and is perpendicular to AB. If AB = 12 and CE = 2, what is the radius of \bigcirc C?

$$\chi^{2} + \omega^{2} = (x+2)^{2}$$
 $OA = x+2$

$$OA = X + Z$$



16. What conclusion can you make about arc BC?



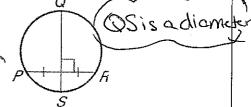
17. What conclusion can you

make about arc BC?

142°



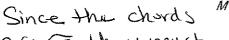
18. What conclusion can you



19. Is there enough information to show

that the chords are equidistant from the

center? Explain. Yes!



are = they must & be equidistant from

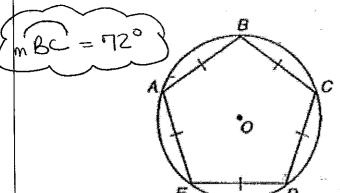
the center.

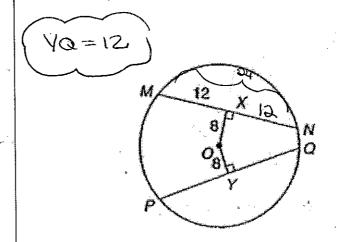
m BC=1099

20. Can you conclude that arc BC is congruent to arc AC? Explain.

No... there is not knough information Use the given pictures to find the requested information.

21. Find the measure of arc BC.



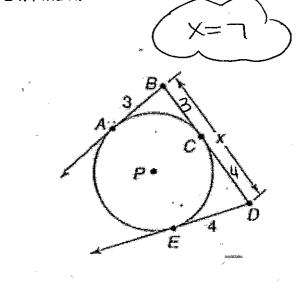


$$3x = 3Lp$$

$$40$$

$$40$$

$$3x+4$$



$$3^{2} + EB^{2} = 5^{2}$$

 $9 + EB^{2} = 25$

$$AB = 8$$

$$\chi^{2} + 12^{2} = (x+8)^{2}$$

 $\chi^{2} + 144 = \chi^{2} + 16x + 164$
 $80 = 16x$

