Geometry YL Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review Sheet

Circles Vocab, Tangent Theorems, Central Angles, Minor/Major Arcs

Part I Use the diagram at the right and match the term with the notation that best

describes it. Each answer can only be used once.

|  |  |  |
| --- | --- | --- |
| \_\_\_\_\_1. Center\_\_\_\_\_2. Chord\_\_\_\_\_3. Common Internal Tangent\_\_\_\_\_4. Minor Arc \_\_\_\_\_5. Diameter\_\_\_\_\_6. Point of Tangency\_\_\_\_\_7. Common External Tangent\_\_\_\_\_8. Radius\_\_\_\_\_9. Secant\_\_\_\_\_10. Major Arc | A)  B)  C) D)  E)  F) G)  H) W I)  J)  K) R L)  |  |

Part II Solve for each variable. In the drawings, if it looks like a tangent it is a tangent.

11. x = \_\_\_\_\_\_\_\_ 12. x = \_\_\_\_\_\_\_\_ 13. x = \_\_\_\_\_\_\_\_

36

51

x

5x - 14

3x + 52

8x - 23

3x + 52

14. x = \_\_\_\_\_\_\_\_ 15. x = \_\_\_\_\_\_\_\_ 16. x = \_\_\_\_\_\_\_\_

84

 8 

x

32

103

x



Use the picture below for #17-23. Find the measure of each angle or arc.  and are diameters.

 17.  18. 

 19.  20. 

 21.  22. 

 23. 

**Use the picture below for #24-30. Find the measure of each angle or arc. and** **are diameters.**

 24.  25. 

 26.  27. 

 28.  29. 

 30. 

Spiraling

Standard: Right Triangle Trig

1. Triangle DEF is a right triangle. What is the measure of <C? What is the measure of <A?

 

2. In the triangle to the right, . Find sin A.

A

C

B

3. What is an equivalent trig ratio for tan 28?

4. What is an equivalent trig ratio for sin 20˚?

5. What is an equivalent trig ratio for cos 57˚

.

6. A 15 foot ladder is leaning against a building at a 65˚ angle with the ground. Write an equation that could be used to solve for how high the ladder reaches up the side of the building.

 For #7-8, solve for the missing side. 

7. 8.