**Chapter 9 Review Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Math 3313 Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_**

**Use the figure of Circle A at right to answer #1 - # 9. If a line appears tangent, assume it is tangent.**

**Be as specific as possible.**

**1. Name two radii:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. Name two chords:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. Name a secant:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4. Name two tangent:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**5. Name two Central angles:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**6. Name a diameter:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**7. F is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**8. is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**9. Name a right angle:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Given the equation of a circle, find the center, and radius of the circle. Then graph the circle.**

**10.** $\left(x+3\right)^{2}+\left(y+2\right)^{2}=9$

Center:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Radius:\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**10.** $\left(x+2\right)^{2}+\left(y-4\right)^{2}=4$

Center:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Radius:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the figure of circle P at right to find the missing arc or angle measures.**

**12.** $m\hat{AC}= $**\_\_\_\_\_\_\_\_\_\_\_\_ 13.** $m\hat{RA}= $**\_\_\_\_\_\_\_\_\_\_\_\_**

**14.** $m∠DPI= $**\_\_\_\_\_\_\_\_\_\_\_\_ 15.** $m∠CPD=$ **\_\_\_\_\_\_\_\_\_\_\_\_**

**16.** $m\hat{CDR}= $**\_\_\_\_\_\_\_\_\_\_ 17.** $m\hat{AI}= $**\_\_\_\_\_\_\_\_\_\_**

**Use the figure of circle P at right to find the missing arc or angle measures.**

**18.** $m\hat{RC}= $**\_\_\_\_\_\_\_\_\_\_\_\_ 19.** $m\hat{ID}= $**\_\_\_\_\_\_\_\_\_\_\_\_**

**20.** $m∠CPR= $**\_\_\_\_\_\_\_\_\_\_\_\_ 21.** $m∠APR=$ **\_\_\_\_\_\_\_\_\_\_\_\_**

**22.** $m\hat{IA}= $**\_\_\_\_\_\_\_\_\_\_ 23.** $m\hat{RIA}= $**\_\_\_\_\_\_\_\_\_\_**

**24. Write equation of a circle with center (-8, 9) and radius 7.**

**25. Write equation of a circle with center (24, -13) and radius 13.**

**For 26-27, find the arc length of the following.**

**26. Exact arc length of ICR:\_\_\_\_\_\_\_\_\_\_\_\_**

 **Approximate arc length of ICR:\_\_\_\_\_\_\_\_\_\_\_**

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**27. Exact arc length of ICR:\_\_\_\_\_\_\_\_\_\_\_\_**

 **Approximate arc length ICR:\_\_\_\_\_\_\_\_\_\_\_**

**Solve for the value of x.**

**28. 29.**

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**30. Find the perimeter of quadrilateral ABCD. 31. Find the perimeter of the triangle.**

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**Find the value of the following variables.**

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**32.  33.**

**34. 35.**

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**Find the following missing measures.**

**36. =\_\_\_\_\_\_\_\_**

**37.** $m\hat{AT}=$**\_\_\_\_\_\_\_\_\_\_\_**

**38.** $m\hat{BE}=$**\_\_\_\_\_\_\_\_\_\_\_**

**36. =\_\_\_\_\_\_\_\_**

**39. =\_\_\_\_\_\_\_\_**

**Find the following missing measures.**

**36. =\_\_\_\_\_\_\_\_**

**37.** $m\hat{AT}=$**\_\_\_\_\_\_\_\_\_\_\_**

**38.** $m\hat{BE}=$**\_\_\_\_\_\_\_\_\_\_\_**

**36. =\_\_\_\_\_\_\_\_**

**39. =\_\_\_\_\_\_\_\_**

**Find the value of the following variables.**

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**40. 41.**

**Find the value of the following variables.**

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**42. 43.**

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**44. 45.**

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**46. 47.**

**Find the value of the following variables.**

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**48. 49.**

**50. 51.**