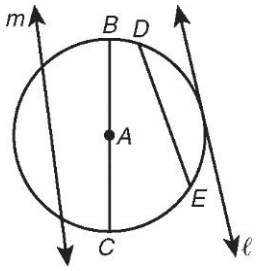
CC Geometry HW#_____ Name_____
Worksheet 12-1

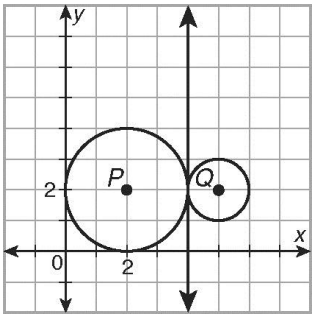
Date_____Per_____Col_____

**For Exercises 1–5, identify the segment or line which matches each named part.**

1. chord _____
2. tangent _____
3. radius _____
4. secant _____
5. diameter _____



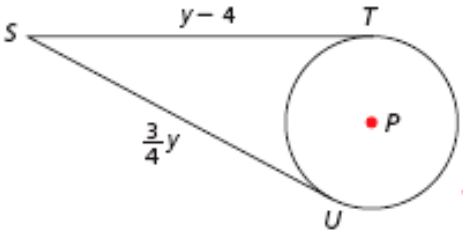

**Use the figure for Exercises 6-8.**



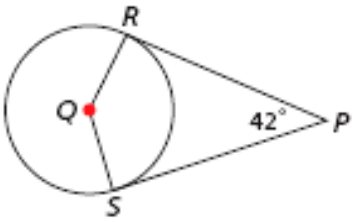

6. radius of circle *P* _____ radius of circle *Q* _____
7. coordinates of the point of tangency (_____, _____)
8. equation of the tangent line at the point of tangency _____

**For Exercises 9-13, you may assume that segments which appear to be tangent are tangent to the circles. Show work.**

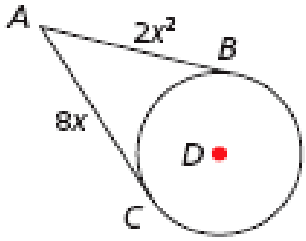
9. Find *ST*.



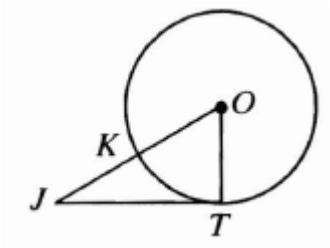

10. Find m∠*RQS*.




11. Find *AC*.




12. Find *JO*, if *OT* = 2 and *JT* = 6.




13. Find *JT*, if *OT* = 4 and *JK* = 2.