

Circles and Tangents

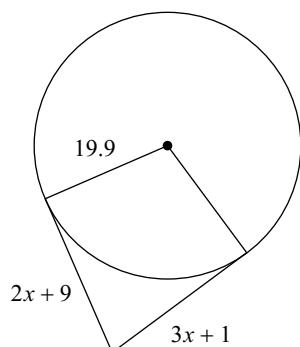
© 2017 Kuta Software LLC. All rights reserved.

Name _____

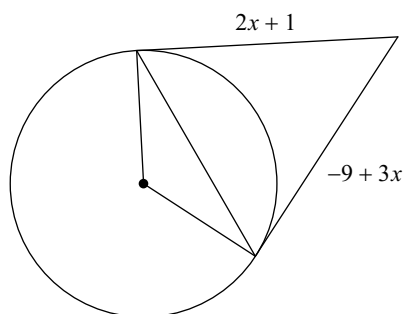
Date _____

Solve for x . Assume that lines which appear to be tangent are tangent.

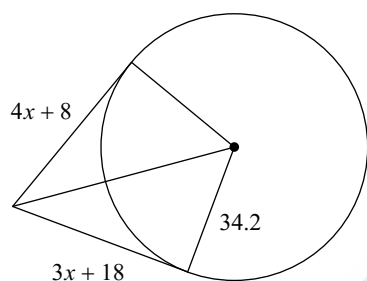
1)



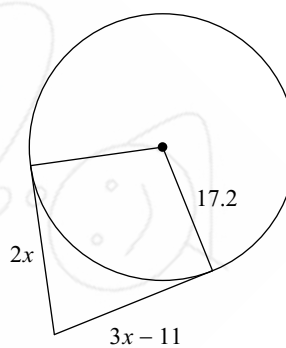
2)



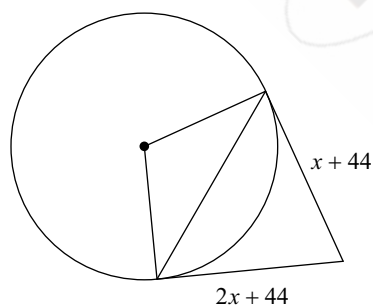
3)



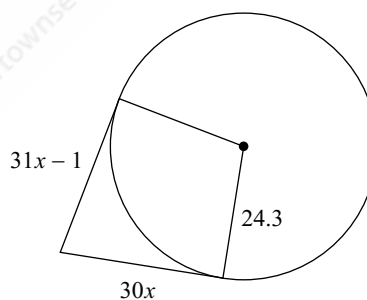
4)



5)

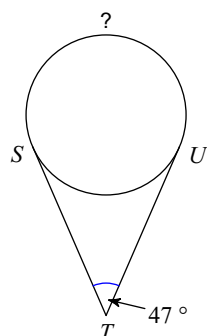


6)

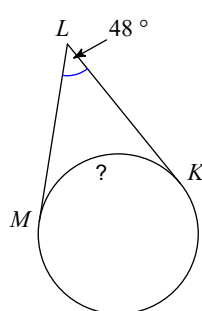


Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

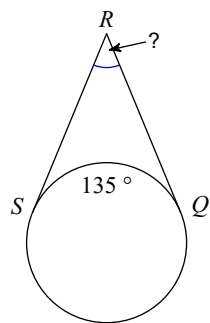
7)



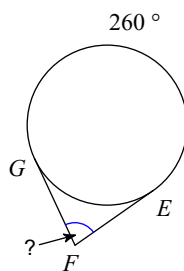
8)



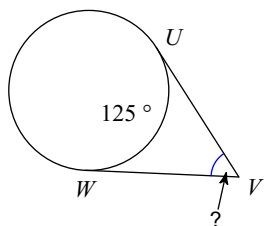
9)



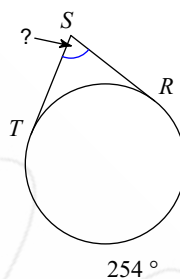
10)



11)

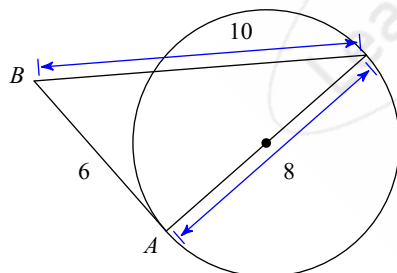


12)

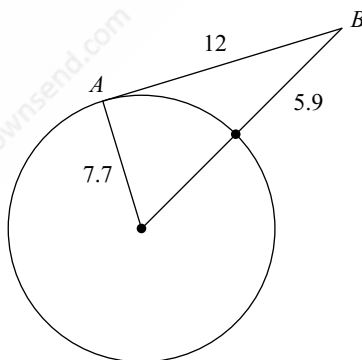


Determine if line AB is tangent to the circle.

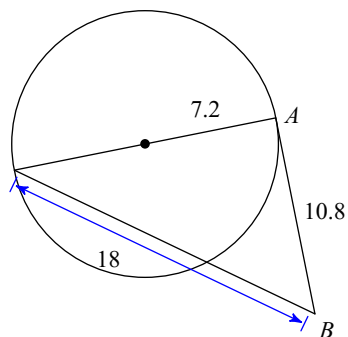
13)



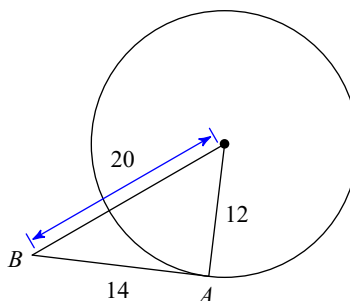
14)



15)



16)



Answers to Circles and Tangents

- | | | | |
|---------------|-----------------|----------------|-----------------|
| 1) 8 | 2) 10 | 3) 10 | 4) 11 |
| 5) 0 | 6) 1 | 7) 227° | 8) 132° |
| 9) 45° | 10) 80° | 11) 55° | 12) 74° |
| 13) Tangent | 14) Not tangent | 15) Tangent | 16) Not tangent |

