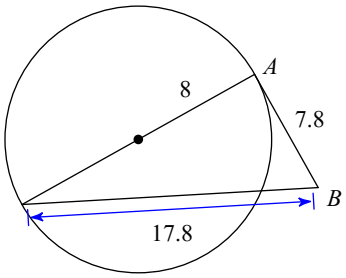
Math 2 Name_____

WS 19.3-19.4

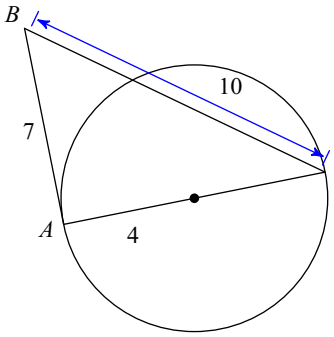
Date_____ Period____

Determine if line AB is tangent to the circle.

1)



2)



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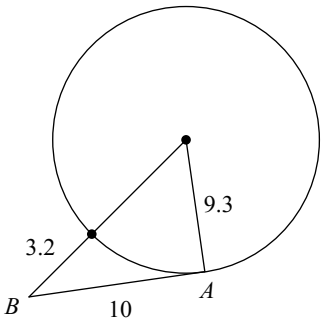
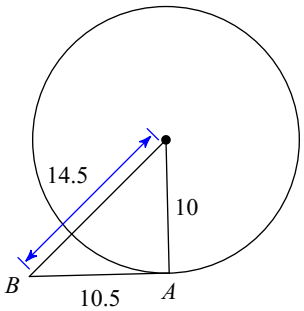
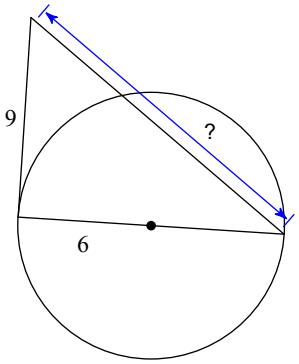


4)



Find the segment length indicated. Assume that lines which appear to be tangent are tangent.

5)



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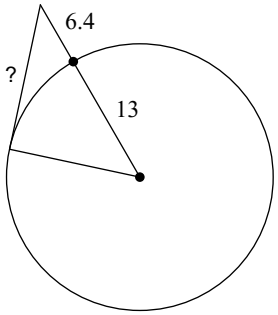
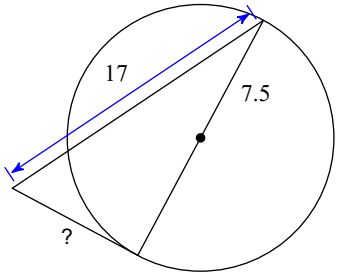
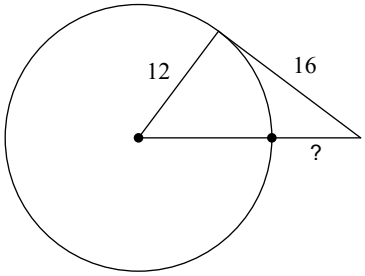


7)

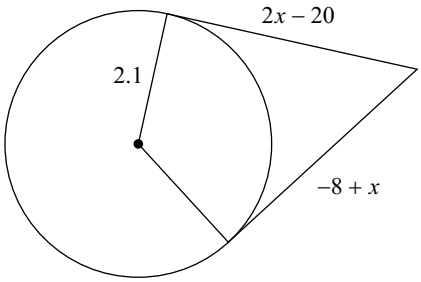


8)

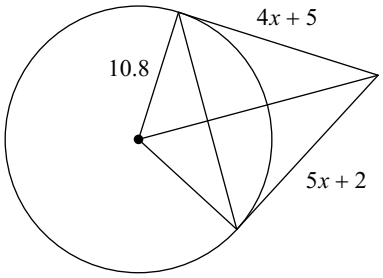


Solve for *x*. Assume that lines which appear to be tangent are tangent.

9)



10)



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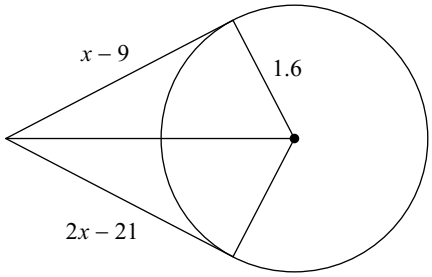

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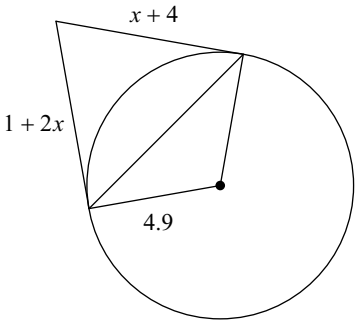
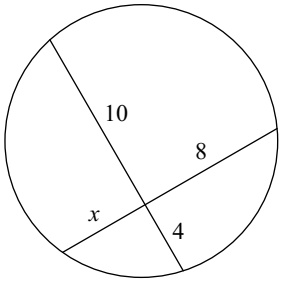
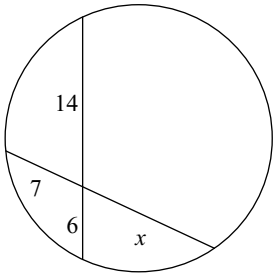


Solve for *x*. Assume that lines which appear tangent are tangent.

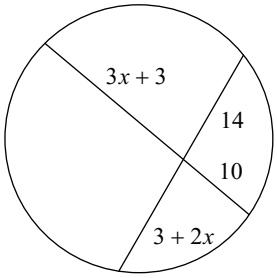
13)



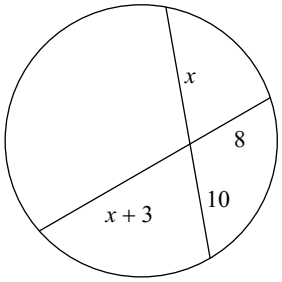
14)



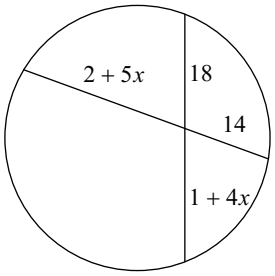
15)



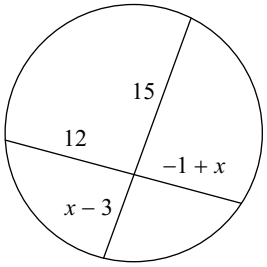
16)



17)

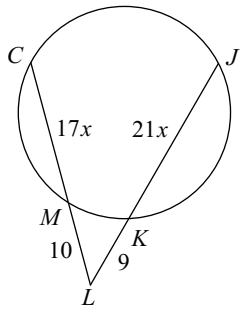


18)

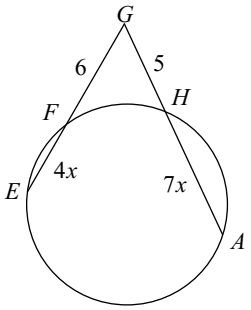


Find the measure of the line segment indicated. Assume that lines which appear tangent are tangent.

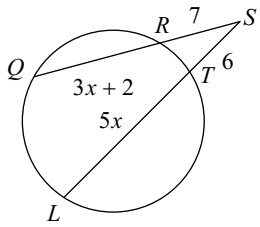
19) Find *JK*



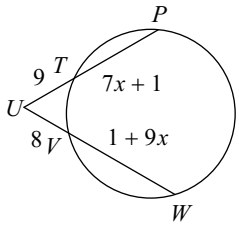
20) Find *EG*



21) Find *QR*

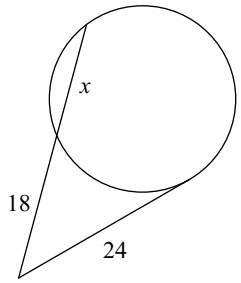


22) Find *WV*

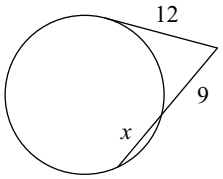


Solve for *x*. Assume that lines which appear tangent are tangent.

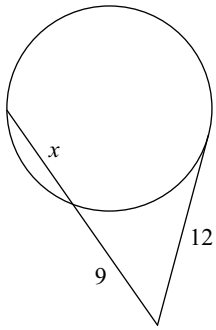
23)



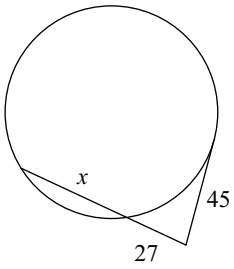
24)



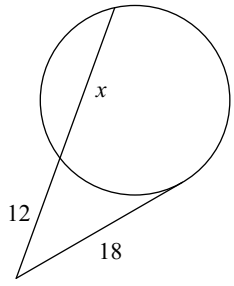
25)



26)



27)



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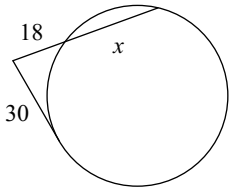

Answers to WS 19.3-19.4

1) Tangent
2) Not tangent
3) Not tangent
4) Tangent
5) 15
6) 14.4
7) 8
8) 8
9) 12
10) 3
11) 12
12) 3
13) 5
14) 12
15) 6
16) 12
17) 5
18) 11
19) 21
20) 10
21) 11
22) 19
23) 14
24) 7
25) 7
26) 48
27) 15
28) 32