

Geometry

HW :Chords, Secants, Tangents

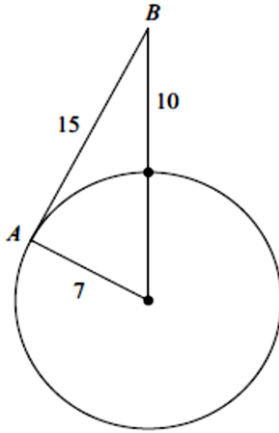
Name: _____

Period: _____ Date: _____

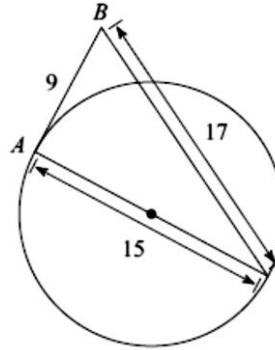
For ALL diagrams, assume a point drawn near the center of the circle really is the center.

Determine whether \overline{AB} is tangent to the circle. Justify with calculations. NO WORK = NO CREDIT.

1.



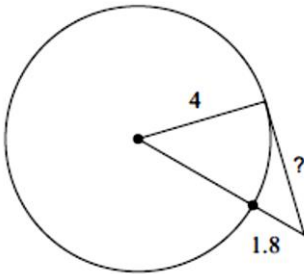
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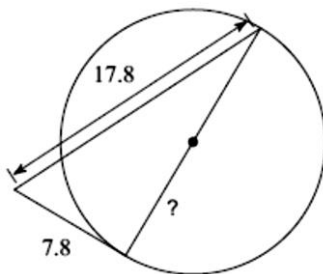
For all *remaining* diagrams, assume that segments that appear to be tangent really are.

Find the length marked with a "?" SHOW WORK. NO WORK = NO CREDIT.

3.

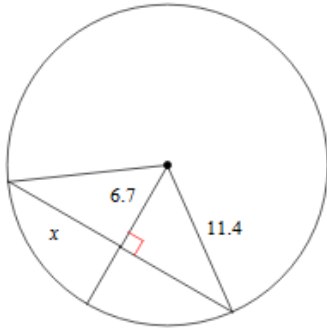


4.

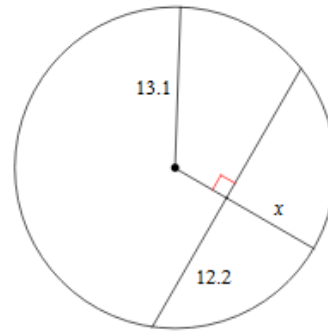


Find the value of x . Round to the nearest tenth.

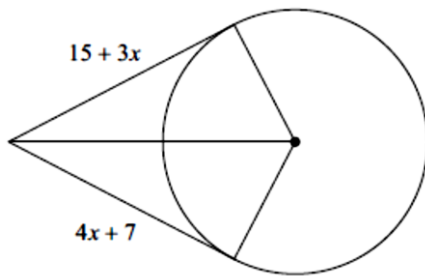
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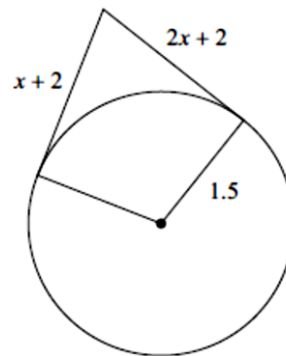
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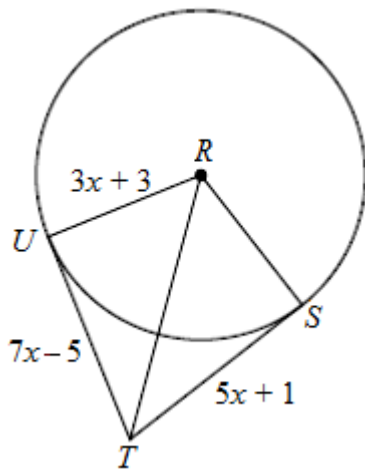
7.



8.



9. Use this diagram of $\odot R$ and two tangent segments to answer the questions that follow.



a. Find the value of x .

b. Find the perimeter of quadrilateral $RSTU$.

c. Find the length of \overline{RT} .