

H: Chord & Tangent Segments

Wednesday, March 4, 2020 9:46 AM



★ WORK must be shown ★

Geometry

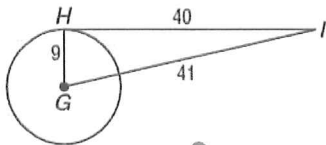
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08: Circles

Homework (M) – Chord & Tangent Segments Name: _____

Determine whether each segment is tangent to the given circle.

1. \overline{HI}

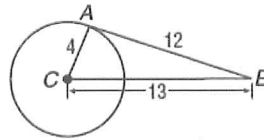


$$9^2 + 40^2 = 41^2$$

$$1681 = 1681 \checkmark$$

YES \Rightarrow \overline{HI} is tangent

2. \overline{AB}



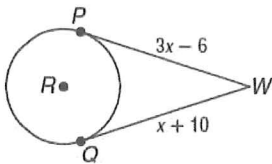
$$4^2 + 12^2 = 13^2$$

$$160 \neq 169$$

NO \Rightarrow \overline{AB} is NOT tangent

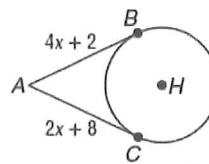
Find x . Assume that segments that appear to be tangent are tangent.

3.



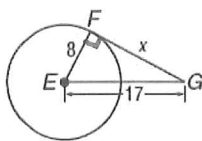
$$x = 8$$

4.



$$x = 3$$

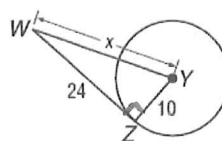
5.



$$x^2 + 8^2 = 17^2$$

$$x = 15$$

6.

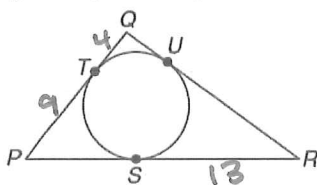


$$24^2 + 10^2 = x^2$$

$$x = 26$$

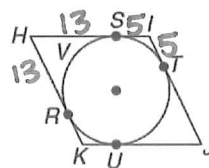
Find the perimeter of each polygon for the given information. Assume that segments that appear to be tangent are tangent.

7. $QT = 4$, $PT = 9$, $SR = 13$



$$P = 52$$

8. $H I J K$ is a rhombus, $S I = 5$, $H R = 13$



$$P = 72$$

H: More Angles & Arcs

Monday, February 24, 2020 7:58 AM



Geometry

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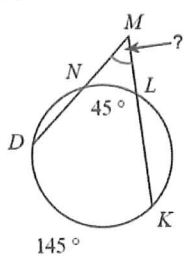
08: Circles

Homework (T) - More Angles & Arcs

Name: _____

Find each indicated measure or value. Show ALL your work.

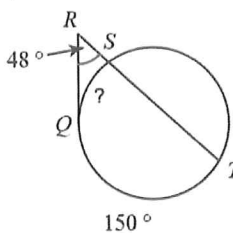
1.



$$\angle M = \frac{1}{2}(145 - 45)$$

$$\boxed{\angle M = 50^\circ}$$

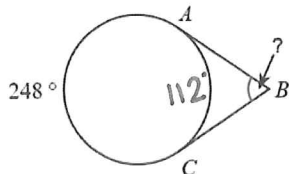
2.



$$48 = \frac{1}{2}(150 - x)$$

$$\boxed{\widehat{QS} = 54^\circ}$$

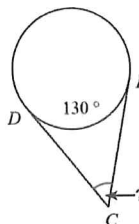
3.



$$\angle B = \frac{1}{2}(248 - 112)$$

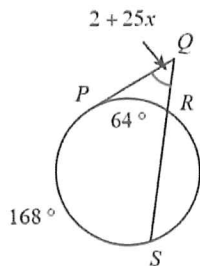
$$\boxed{\angle B = 68^\circ}$$

4.



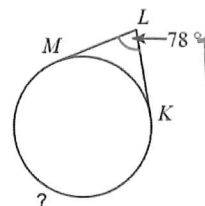
$$\boxed{\angle C = 50^\circ}$$

5.



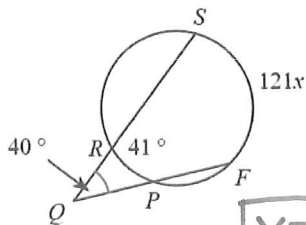
$$\boxed{x = 2}$$

6.



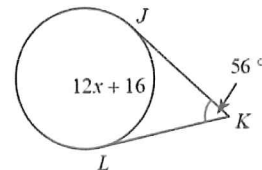
$$\boxed{\text{outer arc} = 258^\circ}$$

7.



$$\boxed{x = 1}$$

8.



$$\boxed{x = 9}$$