

Inscribed Angles 10.3

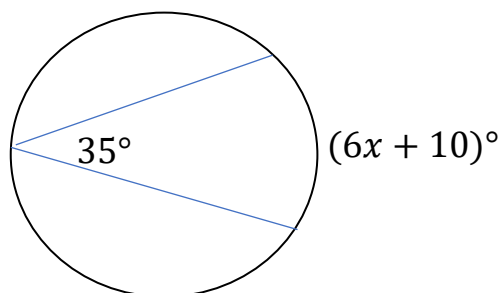


Overview of Problems

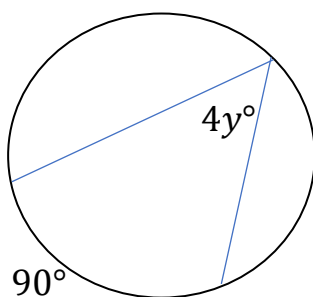
Example Set: A

Find the value of the variable:

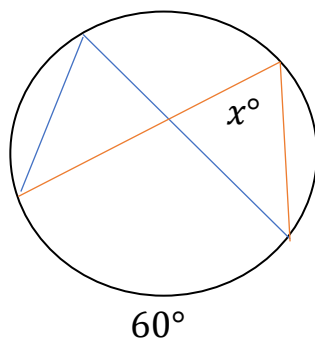
1.



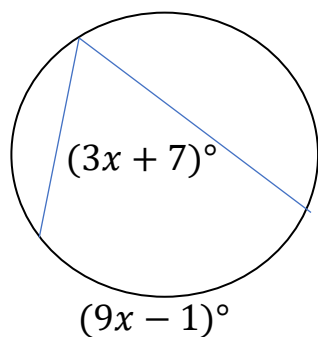
2.



3.



4.



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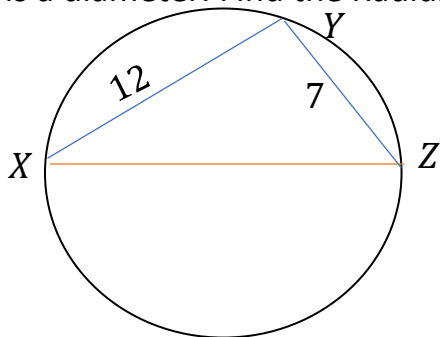


Overview of Problems

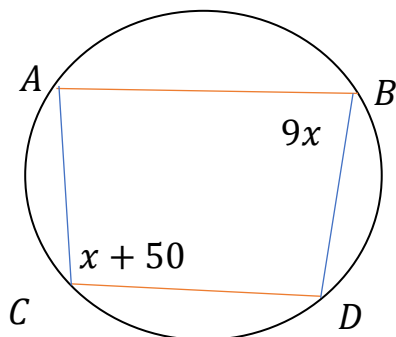
Example Set: B

Answer the following questions:

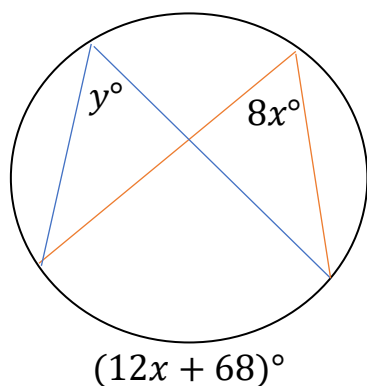
1. \overline{XZ} is a diameter. Find the Radius.



2. $ABCD$ is a quadrilateral. Find the value of x .



3. Find the value of x and y



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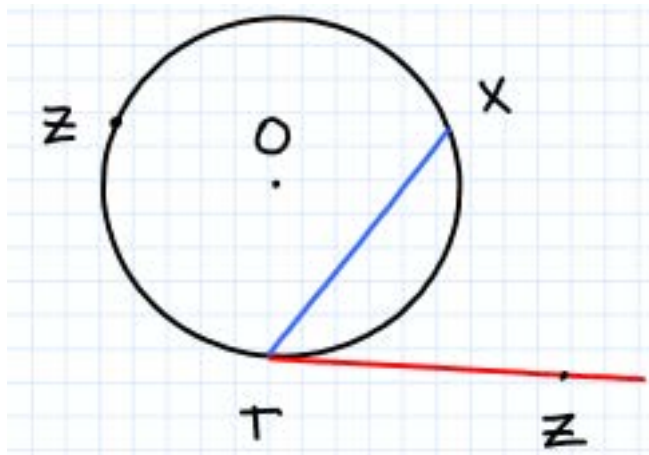


Overview of Problems

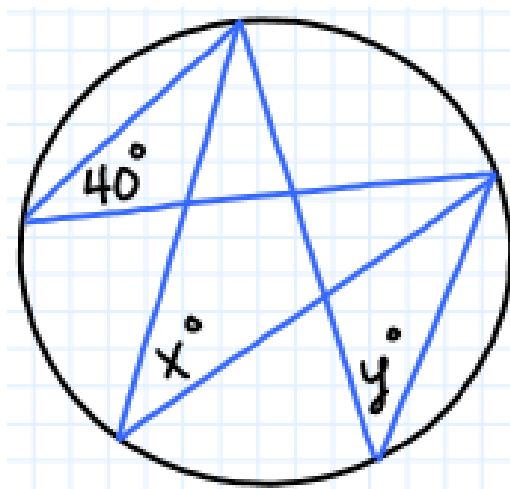
Example Set: C

Answer the following questions:

1. $m\widehat{XZT} = 260^\circ$. TZ is tangent to circle O .
Find $m\angle XTZ$



2. Find the value of x and y .



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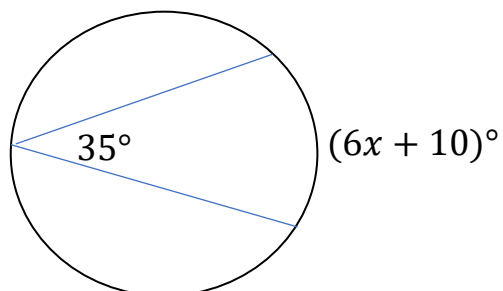


Overview of Problems

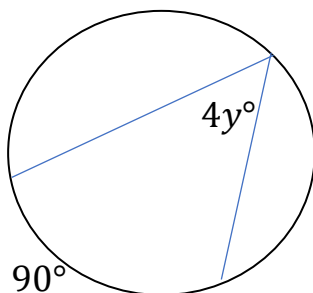
Example Set: A -ANSWER KEY

Find the value of the variable:

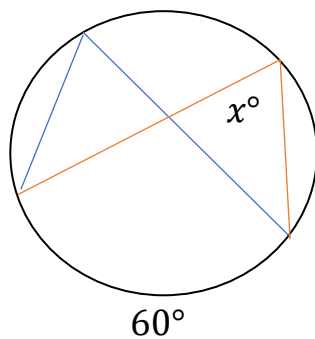
1. $x = 10$



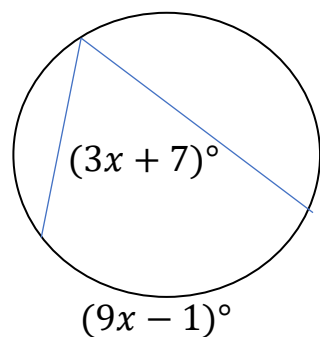
2. $y = 11.25$



3. $x = 30^\circ$



4. $x = 5$



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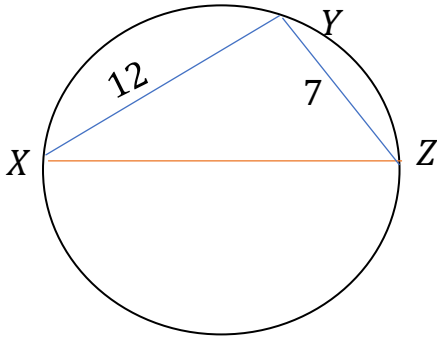


Overview of Problems

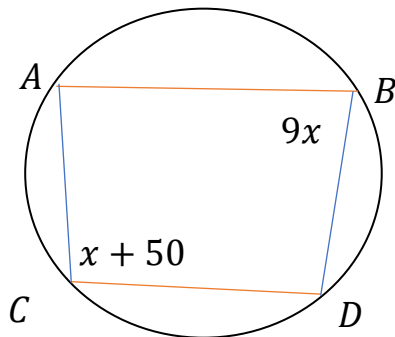
Example Set: B- **ANSWER KEY**

Answer the following questions:

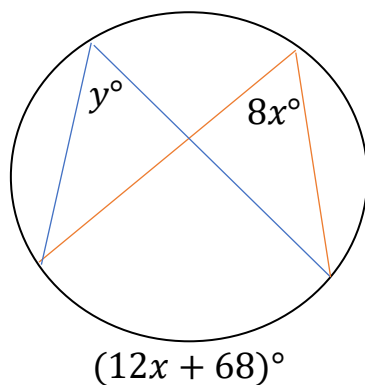
1. \overline{XZ} is a diameter. Find the Radius. **6.94**



2. $ABCD$ is a quadrilateral. Find the value of x . **$x = 13$**



3. Find the value of x and y **$x = 17$ $y = 136$**



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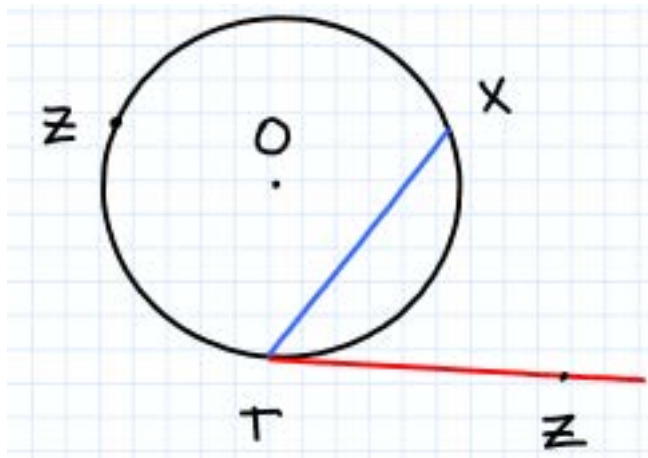


Overview of Problems

Example Set: C-ANSWER KEY

Answer the following questions:

1. $m\widehat{XZT} = 260^\circ$. TZ is tangent to circle O .
Find $m\angle XTZ$ 50°



2. Find the value of x and y . $x = 40^\circ$ $y = 40^\circ$

