

Mar 29-8:48 AM

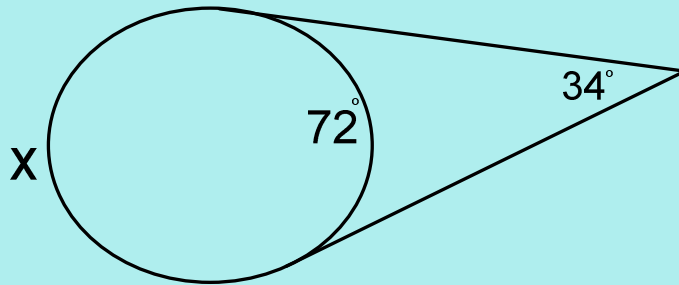
**\$** Dollar dollar bill ya'll. **\$**  
Select a bill to make money.  
If you get the problem correct, you earn the money.  
Keep track of your total.

**Bonus: Checks for understanding**

A grid of various US dollar bills and coins. The bills include one-dollar, two-dollar, five-dollar, ten-dollar, twenty-dollar, and hundred-dollar denominations. The coins are three quarters. The bills are arranged in a grid, and the coins are arranged in a vertical column on the right side.

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Solve for x.



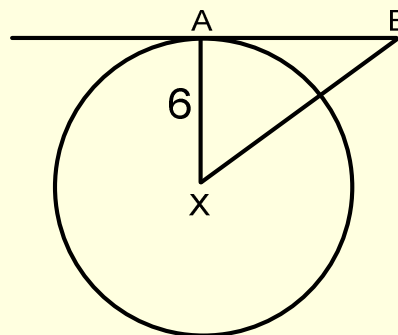
**Dull for solution:**

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**AB is a tangent.**

**Find AB.**

**XB = 8**



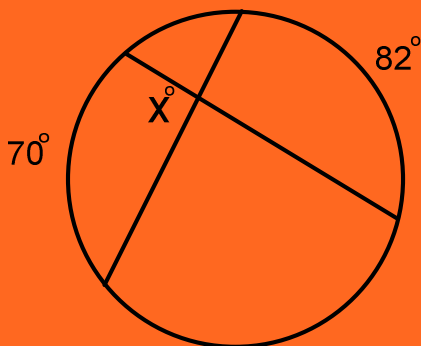
**PUSH DOWN FOR SOLUTION**

$$\begin{aligned}
 6^2 + b^2 &= 8^2 \\
 36 + b^2 &= 64 \\
 b^2 &= 28 \\
 \sqrt{28}
 \end{aligned}$$

$$\begin{array}{r}
 1 \\
 7 \overline{) 14} \\
 \underline{14} \\
 2 \overline{) 28}
 \end{array}
 \quad
 \boxed{2\sqrt{7}}$$

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**Solve for x.**



$$x = \frac{1}{2}(70 + 82) = \boxed{76}$$

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**Write an equation for the circle.**

**center : (8,-3)**

**radius: 6**

**PUSH DOWN FOR ANSWER**

$$(x-8)^2 + (y+3)^2 = 36$$

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**The equation for a circle is:**

$$(x - 6)^2 + (y + 3)^2 = 36$$



**What is the center?**

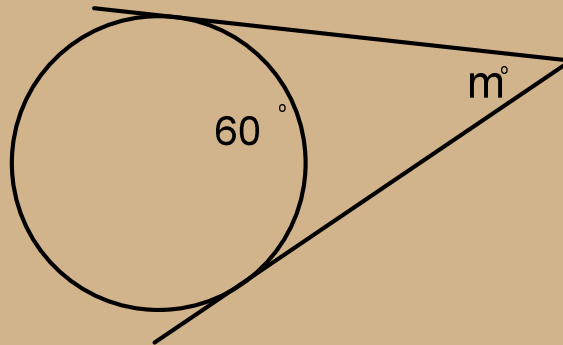
**What is the radius?**

**center = (6, -3)**

**radius = 6**

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**Solve for m.**



PUSH DOWN FOR ANSWER

$$m = \frac{1}{2}(360 - 60) = \boxed{120}$$

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Find x.

**PUSH DOWN FOR ANSWER**

$$20 = \frac{1}{2}(70 - x)$$
$$40 = 70 - x$$
$$\begin{matrix} -70 & -70 \\ -30 & = -x \end{matrix}$$

**30 = x**

To make more \$ click here

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Solve for x.

**PULL FOR ANSWER**

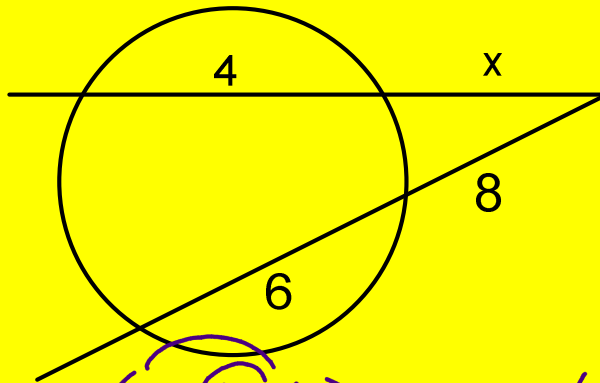
$$(6)(5) = 10x$$
$$30 = 10x$$

**3 = x**

To make more \$ click here

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Find x.



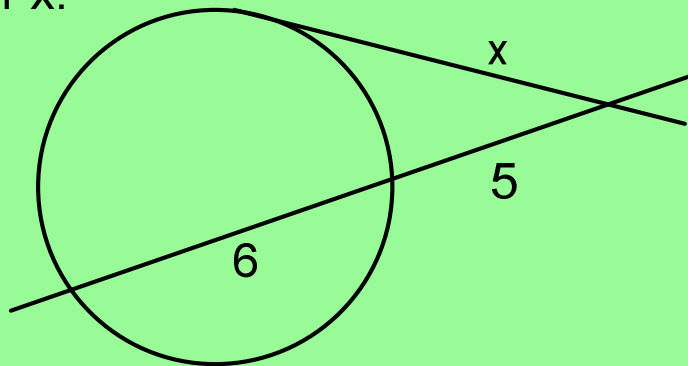
$$(4+x)(x) = 14(8)$$

$$4x + x^2 = 112$$

PULL FOR ANSWER

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Solve for x.



PUSH DOWN FOR ANSWER

$$11(5) = x^2$$

$$\sqrt{55} = x$$

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What is the center of the circle for this equation?

$$(x-11)^2 + (y+9)^2 = 169$$

What is the radius of the circle?

(11, -9)

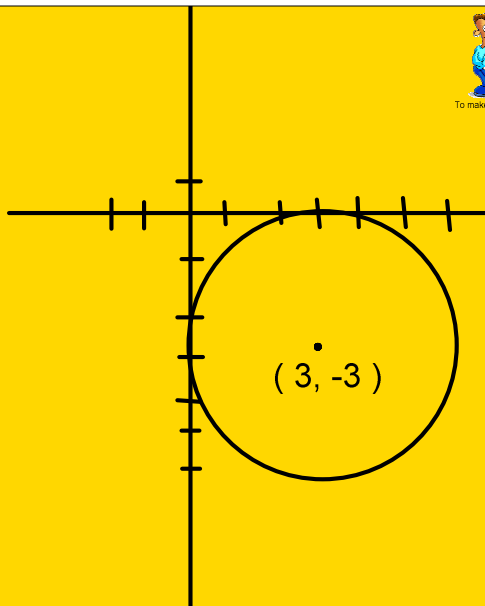
CLICK FOR ANSWER

r=13



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Write an equation for the circle.



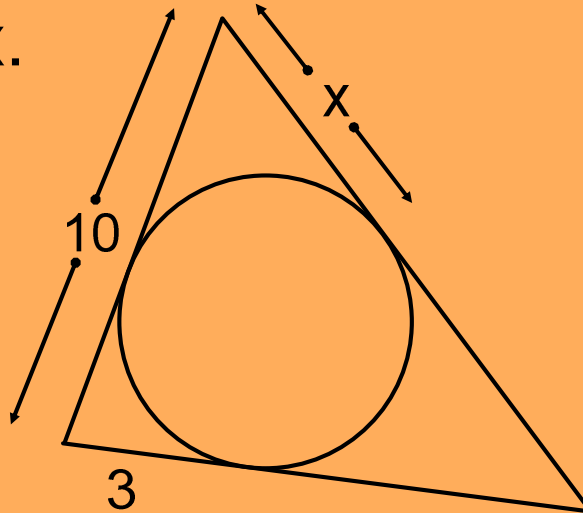
PUSH DOWN FOR ANSWER

$$(x-3)^2 + (y+3)^2 = 9$$



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Solve for x.

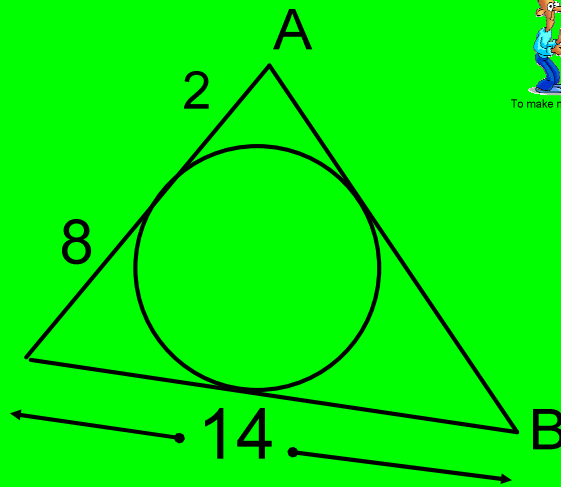


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PULL FOR ANSWER

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What is the length of segment AB.



8

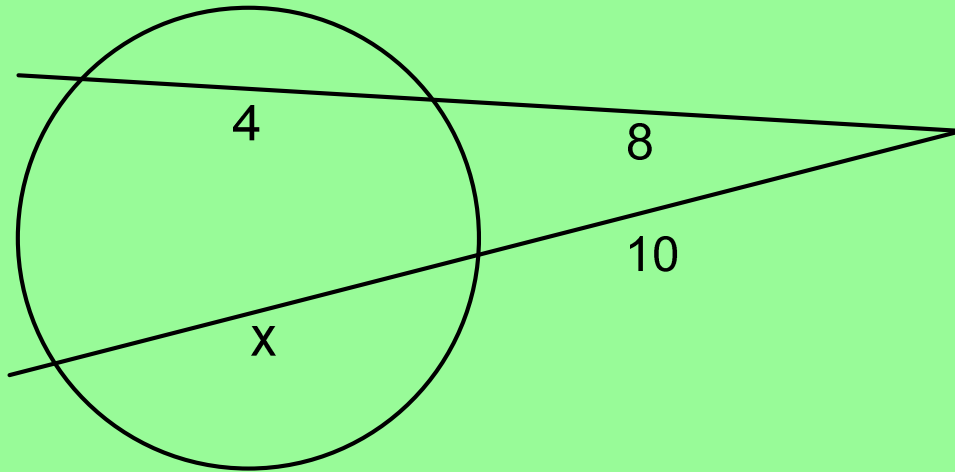
PULL FOR ANSWER

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**Explain how you would solve  $x$ .**

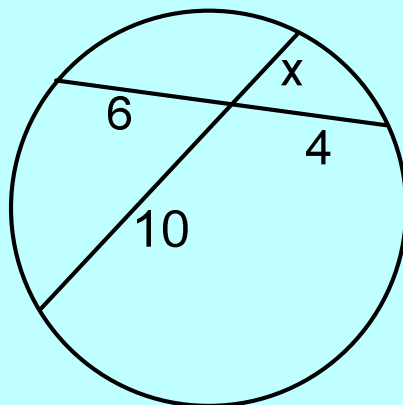
- Vertex is on the outside**
- Some segments are provided**



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**Explain how you would solve  $x$ .**

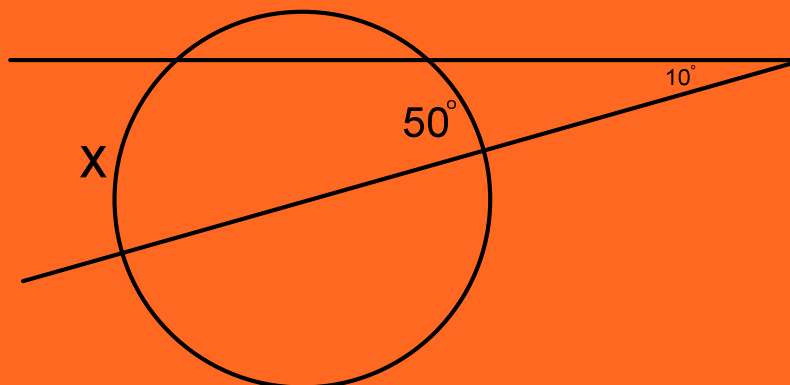
- Vertex is on the inside**
- Some segments are provided**



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**Explain how you would solve  $x$ .**

- Vertex is on the outside**
- Some angles are provided**



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## **Ticket out the door**

3-2-1--

Write down 3 things you learned,  
2 problems you struggle with and  
1 idea to help you improve.

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