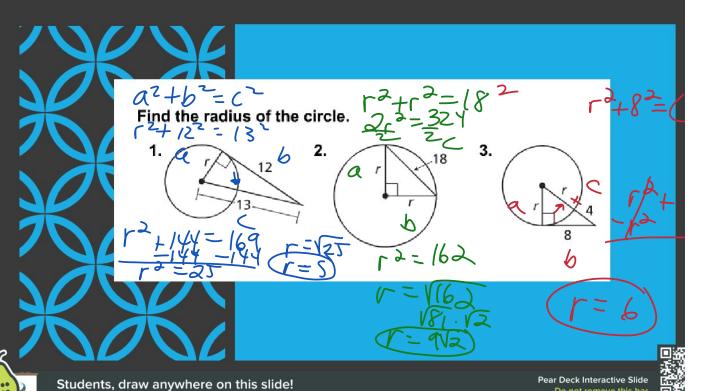




Students, draw anywhere on this slide!

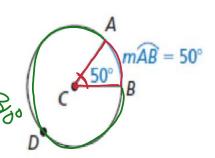




Measuring Arcs

The measure of a minor arc is the measure of its central angle. The expression \widehat{mAB} is read as "the measure of arc AB."

The measure of the entire circle is 360°. The measure of a major arc is the difference of 360° and the measure of the related minor arc. The measure of a semicircle is 180°.

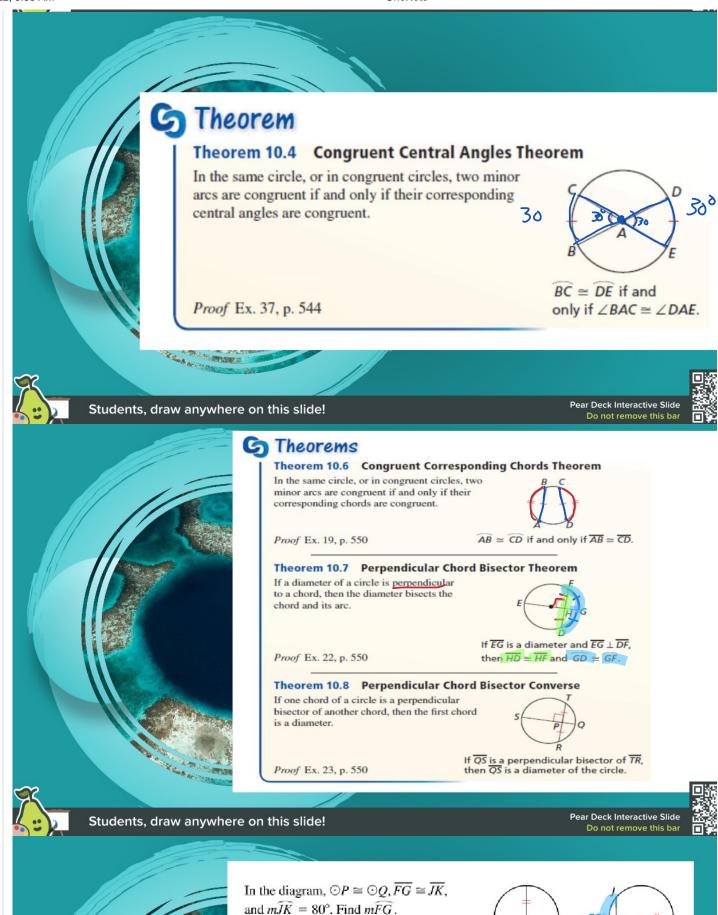


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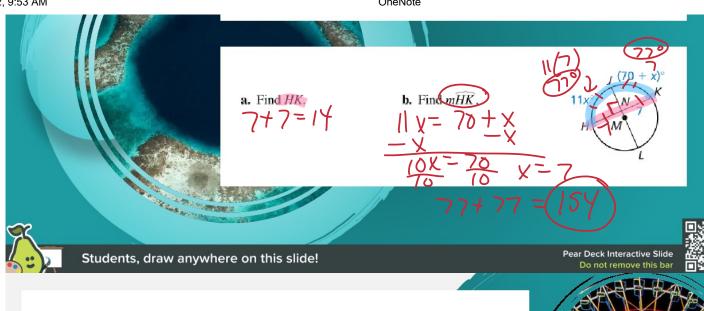
$$m \stackrel{\frown}{ADB} = 360^{\circ} - 50^{\circ} = 310^{\circ}$$



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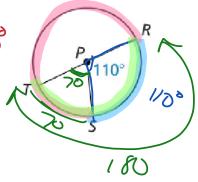


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Find the measure of each arc of $\odot P$, where \overline{RT} is a diameter.

- 1100 a. \widehat{RS}
- **b.** RTS 360-110=250
- c. RST 110+70=110

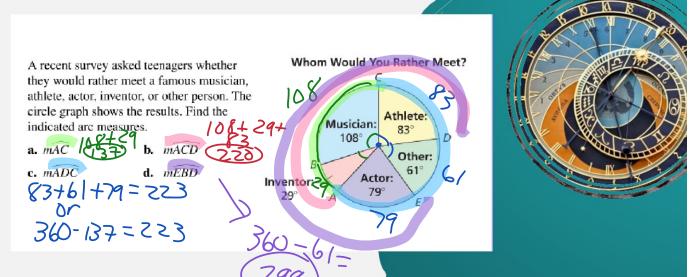






Students, draw anywhere on this slide!

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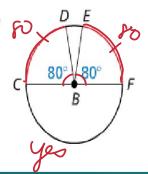


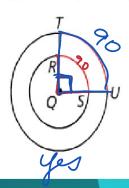
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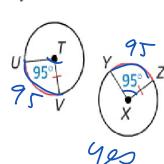
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Tell whether the red arcs are congruent. Explain why or why not.









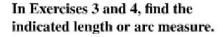
Students, draw anywhere on this slide!

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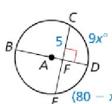


In Exercises 1 and 2, use the diagram of $\odot D$.

- **1.** If $\widehat{mAB} = 110^{\circ}$, find \widehat{mBC} .
- **2.** If $\widehat{mAC} = 150^{\circ}$, find \widehat{mAB} .



- 3. CE
- 4. mCE









Students, draw anywhere on this slide!

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