

Day 1: Central and Inscribed Angles

Date _____ Period _____

- 1) A circle measures _____.
- 2) The measure of a semicircle, or _____ the circle, is _____.
- 3) The _____ of a circle is a segment with an endpoint on the circle and an endpoint at the circle's center.
- 4) The _____ of a circle is a segment passing through the _____ of a circle with both endpoints on the circle.
- 5) The _____ of a circle measures the distance around the outside of the circle.
- 6) A portion of a circle's circumference is called an _____.
- 7) A major arc is a part of the circle that is _____ than a semicircle.

Example:

- 8) A minor arc is a part of the circle that is _____ than a semicircle.

Example:

CENTRAL ANGLE

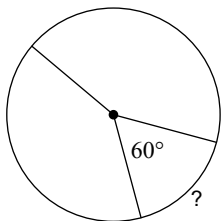
9) A central angle of a circle is an angle with its _____ at the _____ of the circle and the sides that are created from two radii of the circle.

Example:

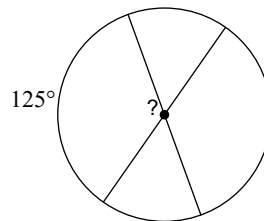
**The measure of a central angle is _____ to the measure of its arc.

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

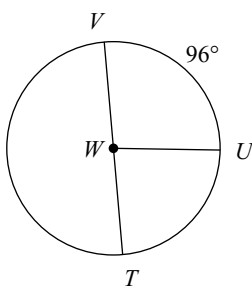
10)



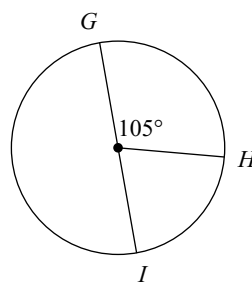
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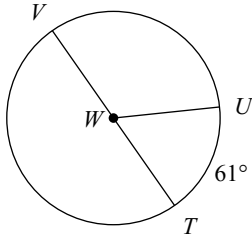
12) $m\angle UWT$



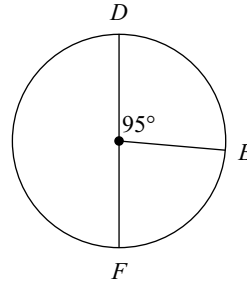
13) $m\widehat{HIG}$



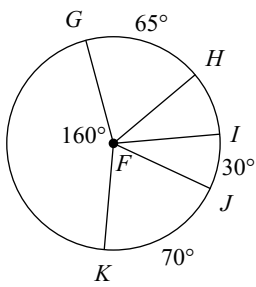
14) $m\angle VWU$



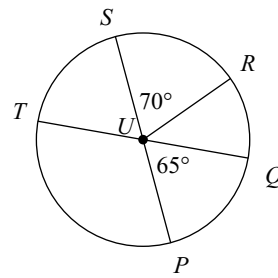
15) $m\widehat{FDE}$



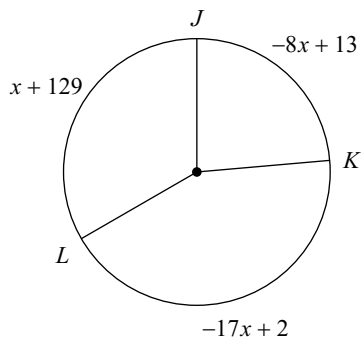
16) $m\angle GFI$



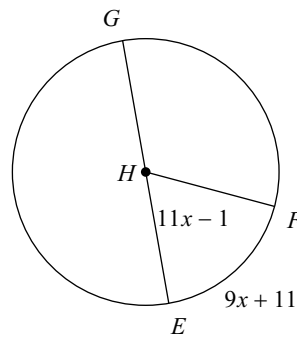
17) $m\angle RUP$



18) $m\widehat{JK}$



19) $m\angle FHE$



INSCRIBED ANGLE

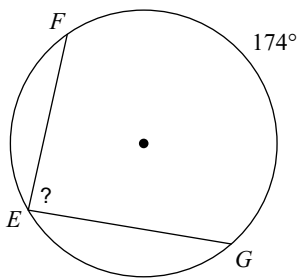
20) An inscribed angle of a circle is an angle formed by two _____ whose _____ is on the circle.

Example:

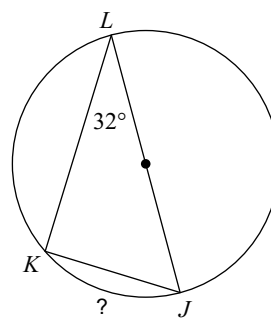
**The measure of an inscribed angle is _____ the measure of its arc.

Find the measure of the arc or angle indicated.

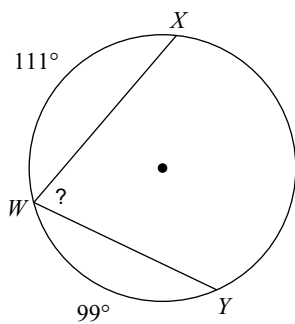
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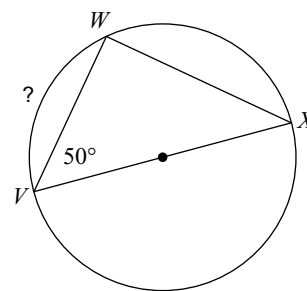
22)



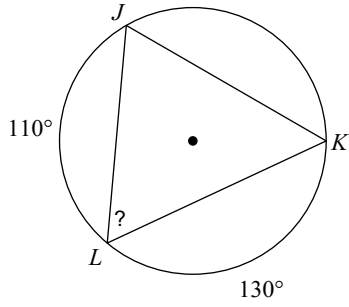
23)



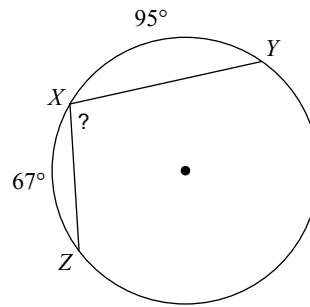
24)



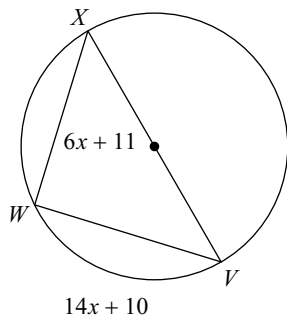
25)



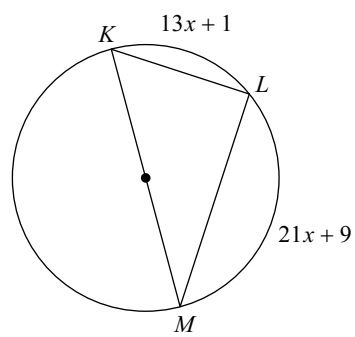
26)



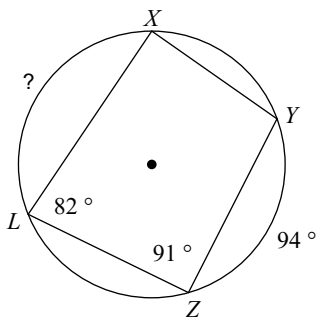
27) Find $m\angle VXW$



28) Find $m\angle MKL$



29)



30)

