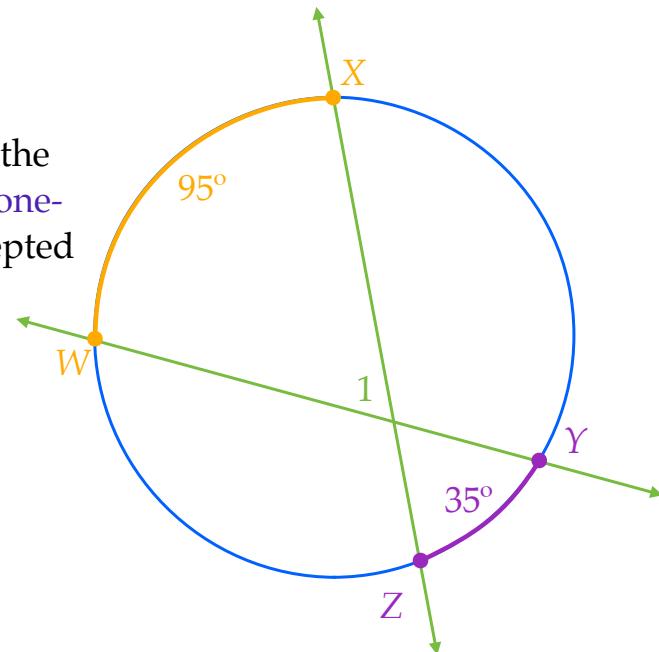


## Interior Angles

If two **secants** intersect inside of a **circle**, the measures of the angle formed is equal to **one-half the sum of the measures** of the intercepted **arcs**.

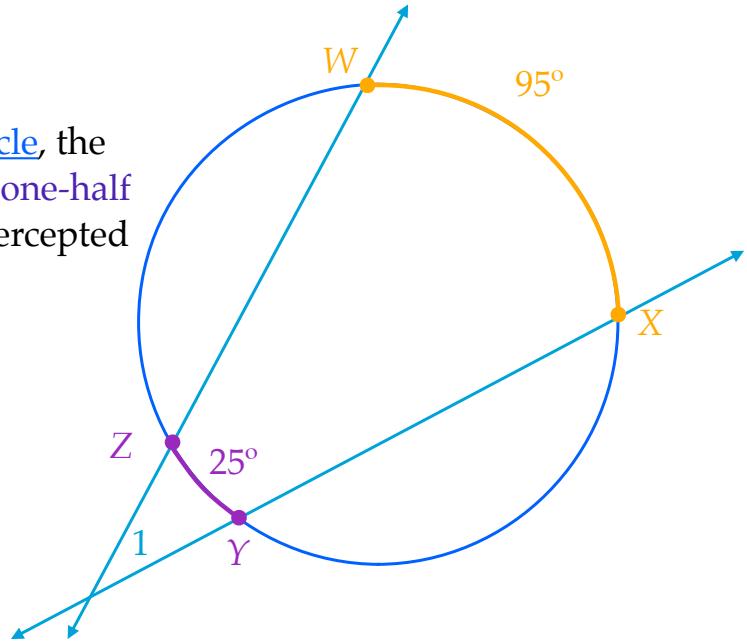
$$m\angle 1 = \frac{1}{2}(m\widehat{WX} + m\widehat{YZ})$$



## Exterior Angles

If two **secants** intersect outside of a **circle**, the measure of the angle formed is equal to **one-half the difference of the measures** of the intercepted **arcs**.

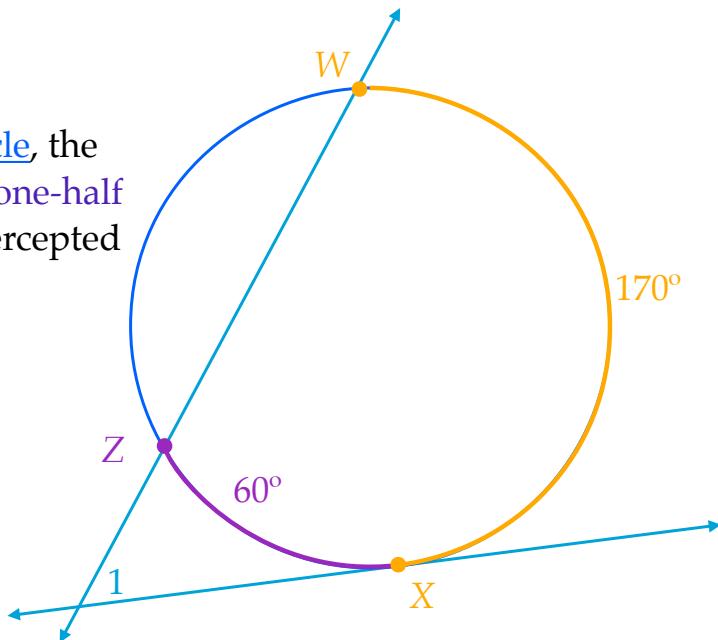
$$m\angle 1 = \frac{1}{2}(m\widehat{WX} - m\widehat{YZ})$$



### Exterior Angles

If two **secants** intersect outside of a circle, the measure of the angle formed is equal to **one-half the difference of the measures** of the intercepted **arcs**.

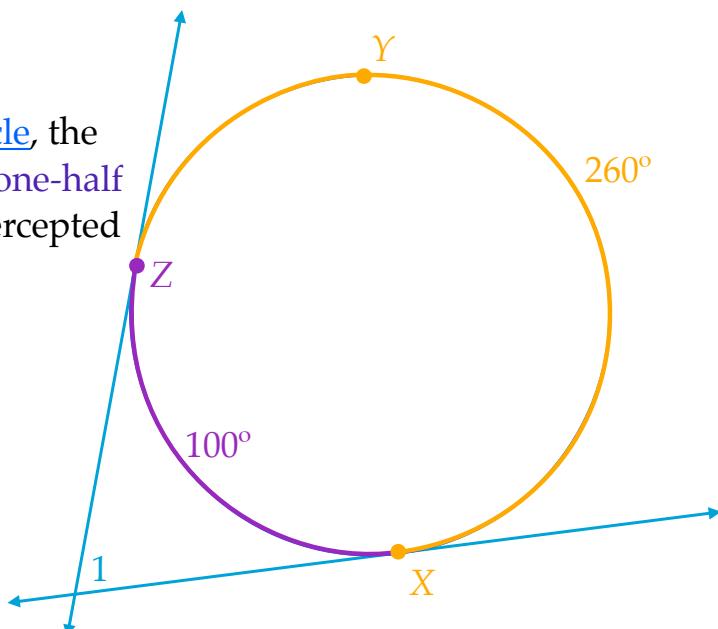
$$m\angle 1 = \frac{1}{2}(m\widehat{WX} - m\widehat{XZ})$$



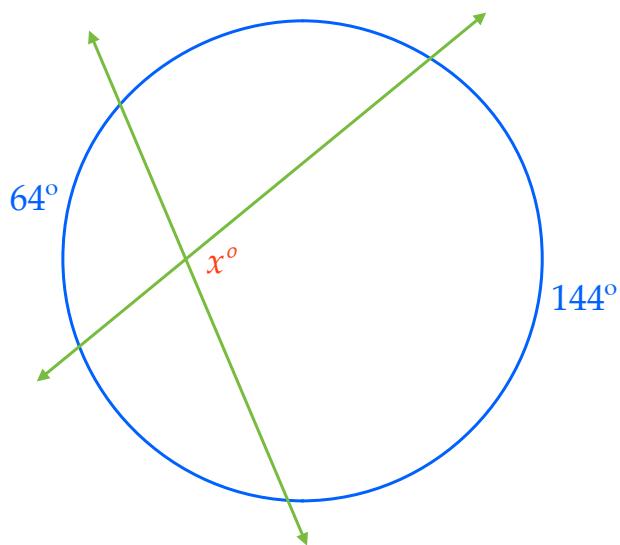
### Exterior Angles

If two **secants** intersect outside of a circle, the measure of the angle formed is equal to **one-half the difference of the measures** of the intercepted **arcs**.

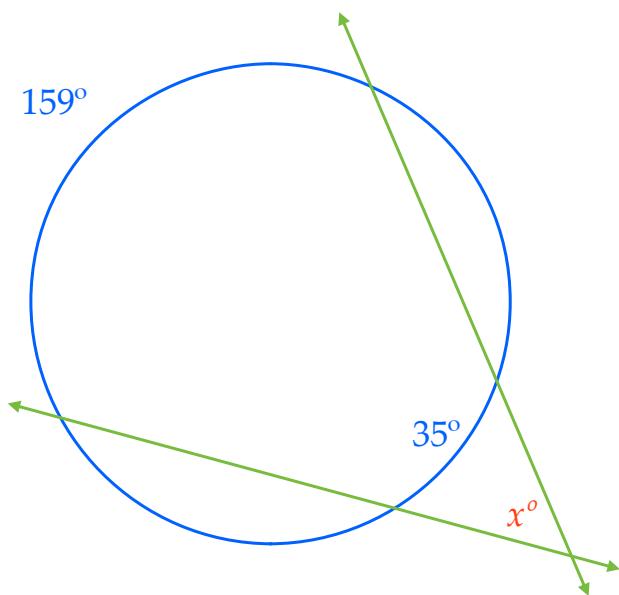
$$m\angle 1 = \frac{1}{2}(m\widehat{XYZ} - m\widehat{XZ})$$



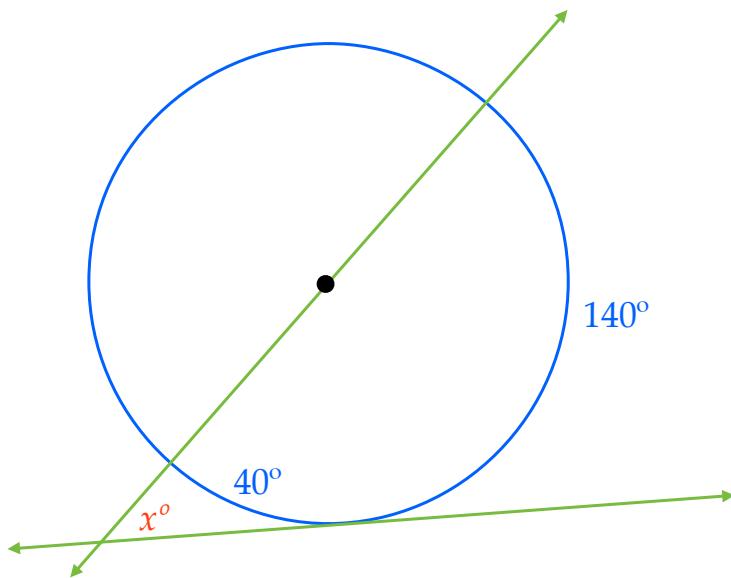
Solve for the value of  $x$ .



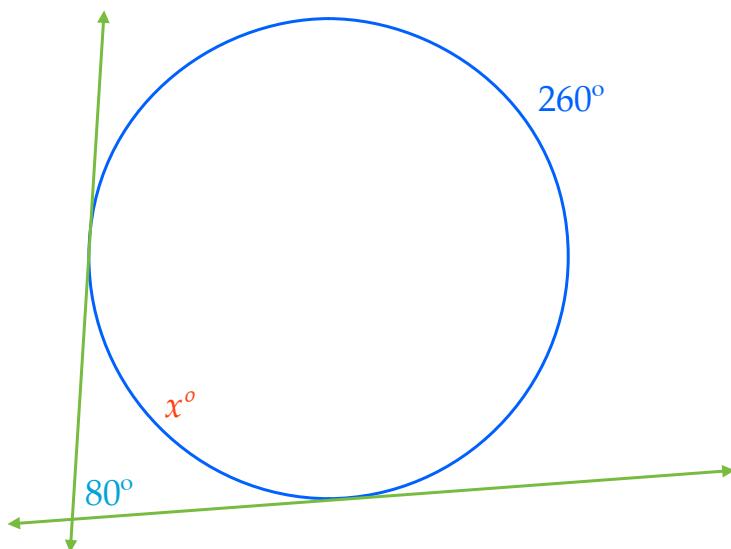
Solve for the value of  $x$ .



Solve for the value of  $x$ .

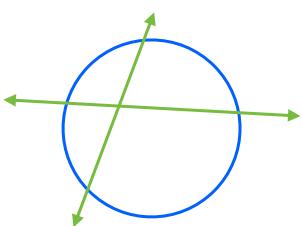


Solve for the value of  $x$ .



### Interior Angles

$$m\angle 1 = \frac{1}{2}(m\widehat{WX} + m\widehat{YZ})$$



### Exterior Angles

$$m\angle 1 = \frac{1}{2}(m\widehat{WX} - m\widehat{YZ})$$

