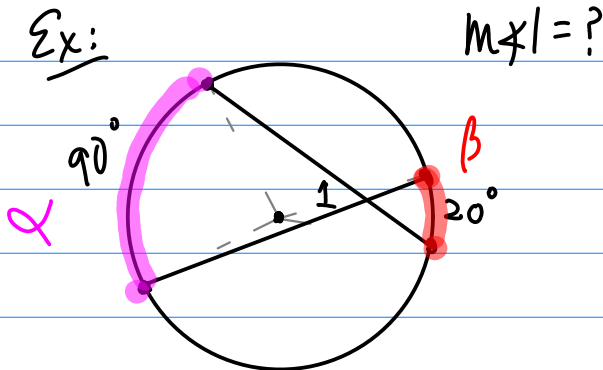


JBJ §7.6: ∠'s Formed by Chords & Secants

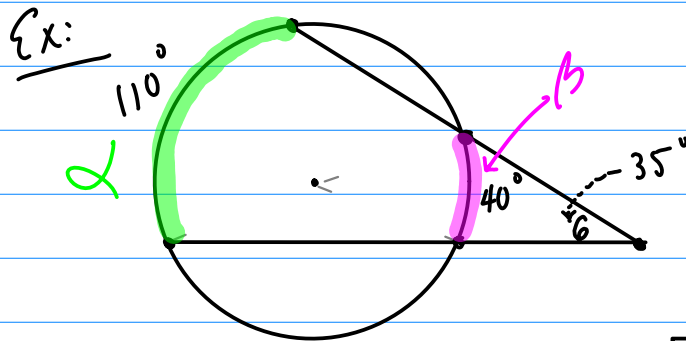
• Intersecting Chords:



$$m\angle 1 = \frac{90^\circ + 20^\circ}{2} = \frac{110^\circ}{2} = \boxed{55^\circ}$$

* for an \angle formed INSIDE \odot : $m\angle 1 = \frac{\alpha + \beta}{2}$

• Intersecting Secants & Tangents:



$$m\angle 6 = \frac{110^\circ - 40^\circ}{2} = \frac{70^\circ}{2} = 35^\circ$$

* for an \angle formed OUTSIDE \odot : $m\angle 6 = \frac{\alpha - \beta}{2}$