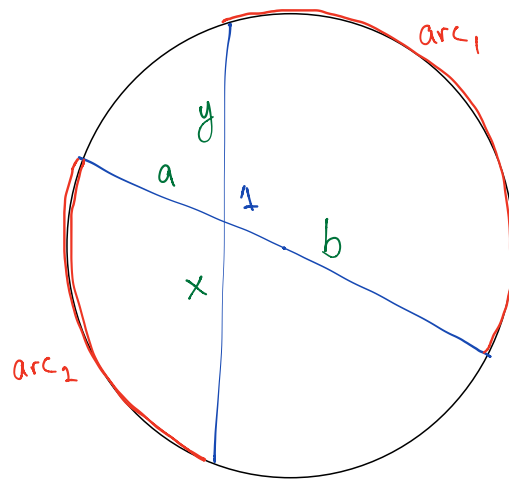


A few keys to remembering

I If the angle is inside the circle

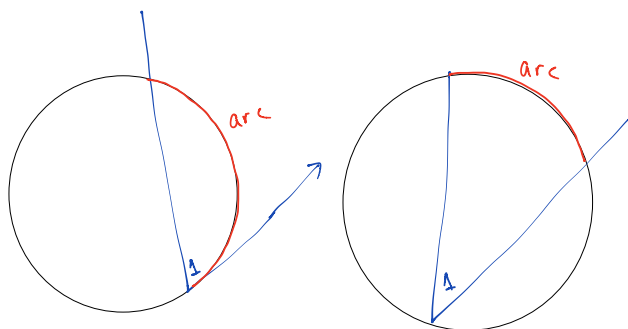
$$m\angle 1 = \frac{1}{2}(\text{arc}_1 + \text{arc}_2)$$

$$xy = ab$$



II If the angle is on the circle

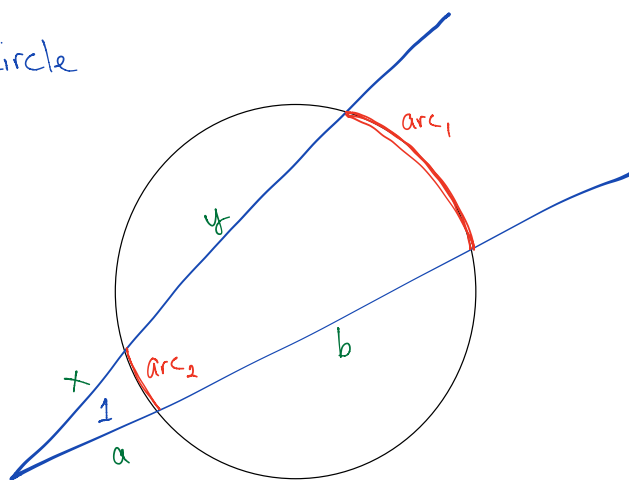
$$m\angle 1 = \frac{1}{2}(\text{arc})$$



III If the angle is outside the circle

$$m\angle 1 = \frac{1}{2}(\text{arc}_1 - \text{arc}_2)$$

$$x(x+y) = a(a+b)$$



$$m\angle 1 = \frac{1}{2}(\text{arc}_1 - \text{arc}_2)$$

$$x^2 = a(a+b)$$

