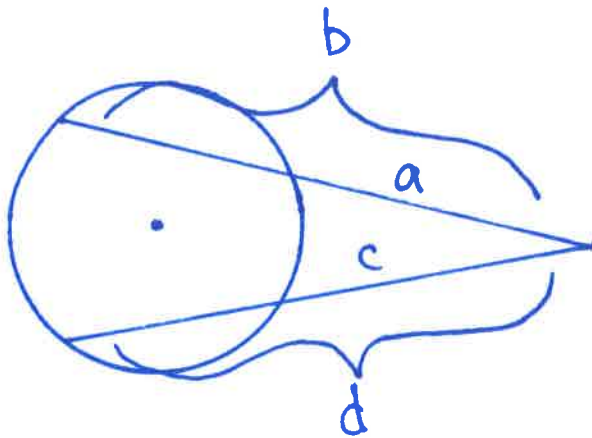


Notes

Two relationships dealing with the lengths of secant and tangent lines.

Lengths of Two Secants

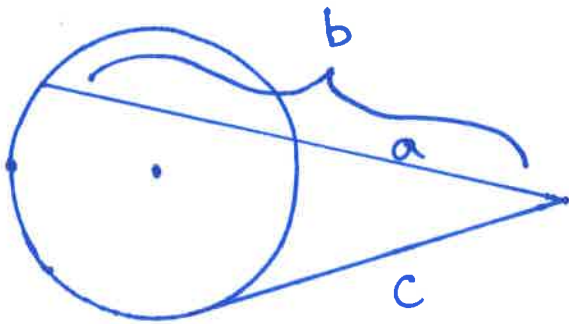


$$\text{Whole} \cdot \text{Outside Part} = \text{Whole} \cdot \text{Outside Part}$$

$$(W \cdot O = W \cdot O)$$

$$\text{ex: } b \cdot a = d \cdot c$$

Secant - Tangent Lengths



$$\text{Whole Secant} \cdot \text{Outside Part} = \text{Tangent}^2$$

$$\text{ex: } b \cdot a = c^2$$