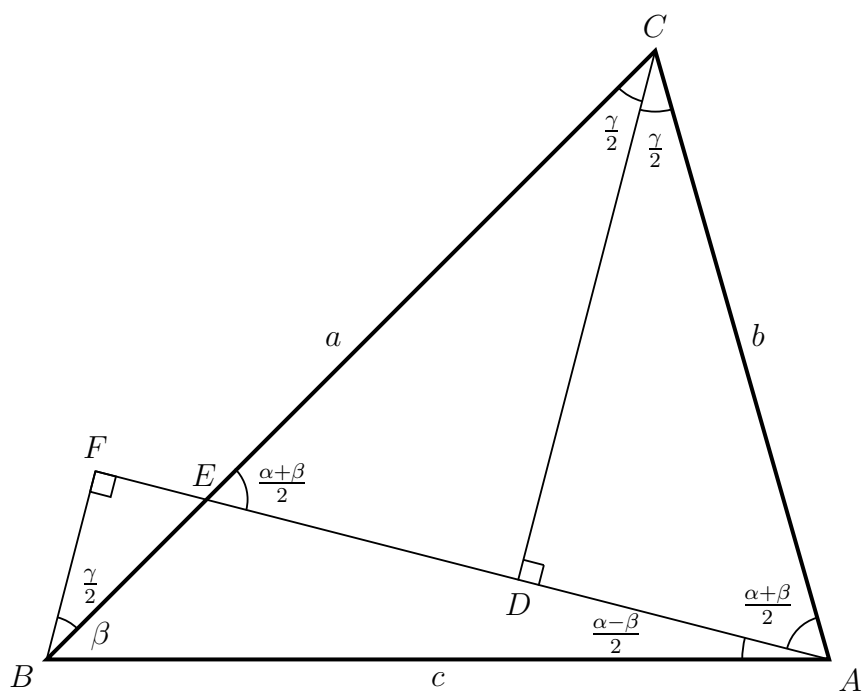


Proof Without Words: Mollweide's Equation

Mollweide's equation: In $\triangle ABC$, $\frac{\sin(\alpha - \beta/2)}{\cos(\gamma/2)} = \frac{a - b}{c}$.



$$\frac{\sin(\alpha - \beta)/2}{\cos(\gamma/2)} = \frac{\frac{BF}{AB}}{\frac{BF}{BE}} = \frac{BE}{AB} = \frac{BC - EC}{AB} = \frac{a - b}{c}.$$

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