

Ha egy trapézoidban $AB = a$, $BC = b$, $CD = c$, $DA = d$, akkor

$$1^\circ \quad a = d \cos \alpha + b \cos \beta - c \cos(\beta + \gamma) = d \cos \alpha + b \cos \beta - c \cos(\alpha + \delta),$$

$$2^\circ \quad a \sin \alpha = c \sin \delta + b \sin(\alpha + \beta),$$

$$3^\circ \quad a \sin \beta = c \sin \gamma + d \sin(\alpha + \beta).$$