

Eigenschaften eines Dreiecks Lösungen

- $a + b > c$
 $b + c > a$
 $c + a > b$
 $\alpha + \beta + \gamma = 180^\circ$
 - $d + e > f$
 $e + f > d$
 $f + d > e$
 $\delta + \varepsilon + \varphi = 180^\circ$
- Ja. $7 \text{ cm} + 3 \text{ cm} > 9 \text{ cm}$; $3 \text{ cm} + 9 \text{ cm} > 7 \text{ cm}$; $7 \text{ cm} + 9 \text{ cm} > 3 \text{ cm}$
 - Nein. $4 \text{ cm} + 2 \text{ cm} < 8 \text{ cm}$
 - Nein. $2 \text{ cm} + 3 \text{ cm} = 5 \text{ cm}$
- Nein. $\alpha + \beta + \gamma = 190^\circ > 180^\circ$
 - Nein. $\alpha + \beta + \gamma = 140^\circ < 180^\circ$
 - Ja. $\alpha + \beta + \gamma = 180^\circ$
- $\gamma = 60^\circ$
 - $\beta = 80^\circ$
 - $\alpha = 1^\circ$