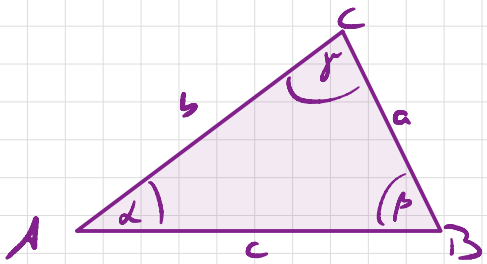
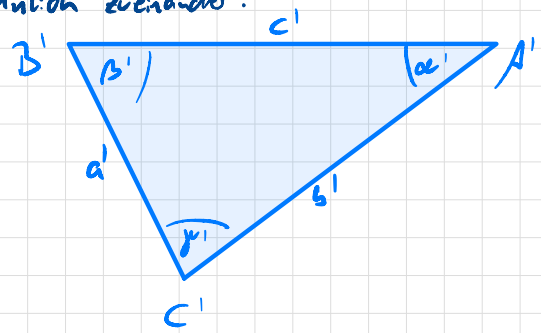
Ähnlichkeitssatz Dreiecke - Übung

Sind $\triangle ABC$ und $\triangle A'B'C'$ ähnlich zueinander?





$\alpha = 25°$

$\beta = 67°$

$\gamma = 88°$

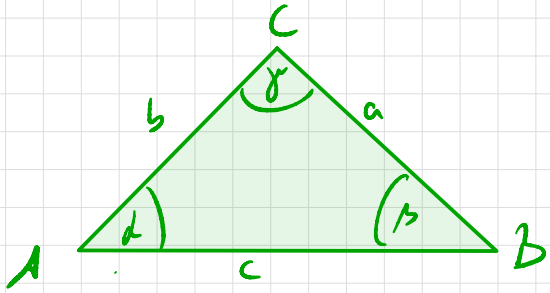
$\alpha' = 25°$

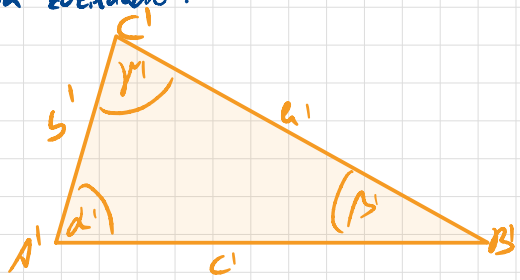
$\beta' = 67°$

$\gamma' = 88°$

$\Rightarrow \frac{a}{a'} = \frac{b}{b'} = \frac{c}{c'} = k \Rightarrow \triangle ABC$ und $\triangle A'B'C'$ sind ähnlich.

Sind $\triangle ABC$ und $\triangle A'B'C'$ ähnlich zueinander?





$\alpha = 45°$

$\beta = 45°$

$\gamma = 90°$

$\alpha' = 60°$

$\beta' = 45°$

$\gamma' = 75°$

$\Rightarrow \triangle ABC$ und $\triangle A'B'C'$ sind nicht ähnlich.