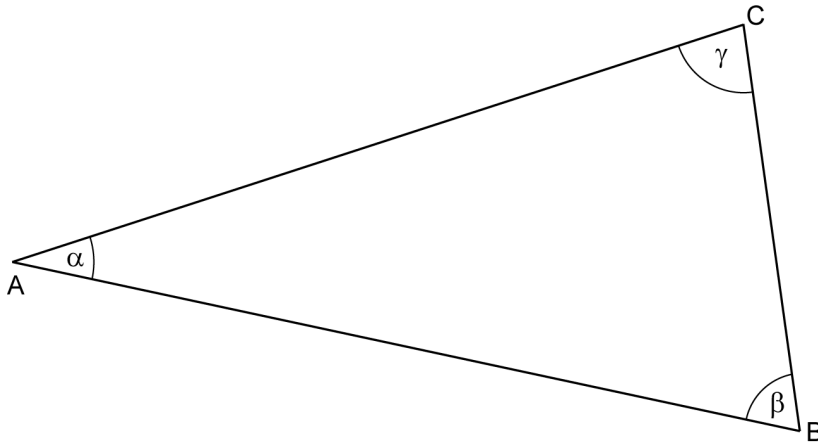


Winkelsumme im Dreieck

1 Miss die Winkel. Überprüfe deine Messung mithilfe der Winkelsumme.

a)



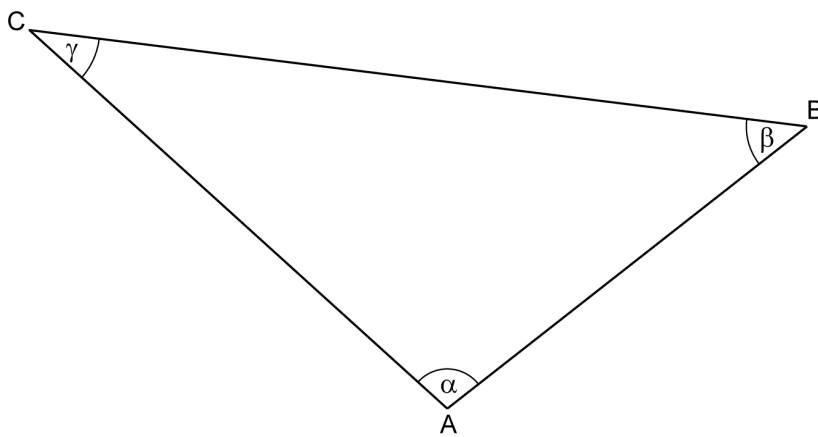
$\alpha = \underline{\hspace{2cm}}$

$\beta = \underline{\hspace{2cm}}$

$\gamma = \underline{\hspace{2cm}}$

Winkelsumme:  $\underline{\hspace{2cm}}$

b)



$\alpha = \underline{\hspace{2cm}}$

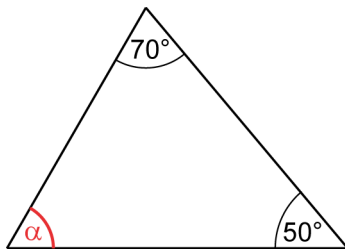
$\beta = \underline{\hspace{2cm}}$

$\gamma = \underline{\hspace{2cm}}$

Winkelsumme:  $\underline{\hspace{2cm}}$

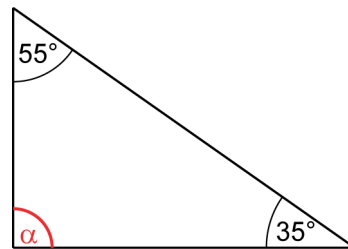
2 Berechne den fehlenden Winkel.

a)



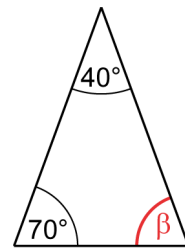
$\alpha = 180^\circ - 50^\circ - 70^\circ = 60^\circ$

b)



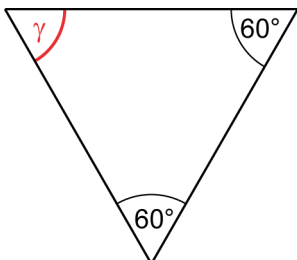
$\alpha = \underline{\hspace{2cm}}$

c)



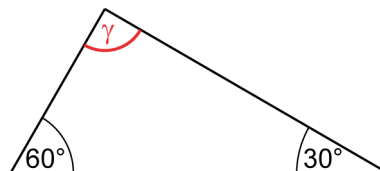
$\beta = \underline{\hspace{2cm}}$

d)



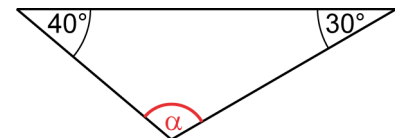
$\gamma = \underline{\hspace{2cm}}$

e)



$\gamma = \underline{\hspace{2cm}}$

f)



$\alpha = \underline{\hspace{2cm}}$

## Dreiecke | Fördern

### Winkelsumme im Dreieck – Lösung

**1**

a)  $\alpha = 30^\circ$   
 $\beta = 70^\circ$   
 $\gamma = \frac{80^\circ}{}$   
Winkelsumme:  $\frac{180^\circ}{}$

b)  $\alpha = 100^\circ$   
 $\beta = 45^\circ$   
 $\gamma = \frac{35^\circ}{}$   
Winkelsumme:  $\frac{180^\circ}{}$

**2**

- a)  $\alpha = 180^\circ - 50^\circ - 70^\circ = 60^\circ$   
b)  $\alpha = 180^\circ - 35^\circ - 55^\circ = 90^\circ$   
c)  $\beta = 180^\circ - 70^\circ - 40^\circ = 70^\circ$   
d)  $\gamma = 180^\circ - 60^\circ - 60^\circ = 60^\circ$   
e)  $\gamma = 180^\circ - 60^\circ - 30^\circ = 90^\circ$   
f)  $\alpha = 180^\circ - 30^\circ - 40^\circ = 110^\circ$