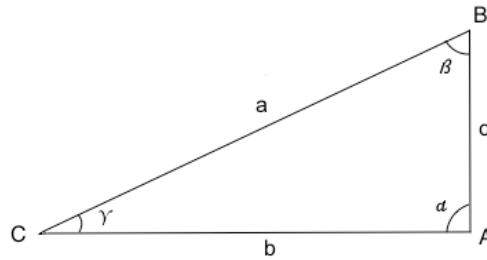


TR - esercizi di trigonometria del triangolo rettangolo

Trovare a, b, c ed α , β , γ applicando le 3 proprietà trigonometriche del triangolo rettangolo.



Esempio: $\beta = 30^\circ$; $a = 5$ cm

Risposta: $\alpha = 90^\circ$

$$b = a \sin \beta = 5 \text{ cm} \sin 30^\circ = 2.5 \text{ cm}$$

$$\gamma = 90^\circ - \beta = 90^\circ - 30^\circ = 60^\circ$$

$$c = a \cos \beta = 5 \text{ cm} \cos 30^\circ = 4.33 \text{ cm}$$

1. $\gamma = 35^\circ$; $a = 25$ N
2. $\gamma = 75^\circ$; $b = 154$ m
3. $\gamma = 15^\circ$; $a = 13,4$ mm
4. $b = 100$ N; $a = 125$ N
5. $c = 22$ m ; $b = 54$ m
6. $\beta = 12,5^\circ$; $a = 33,54$ A
7. $c = 235$ Km; $a = 25$ Km
8. $\beta = 25^\circ$; $b = 1354$ m
9. $\gamma = 85^\circ$; $c = 358$ cm