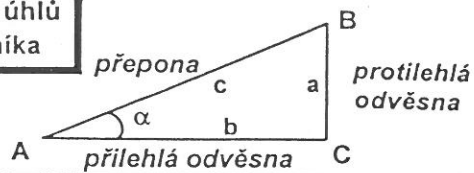
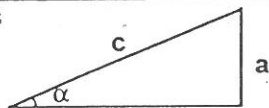


**goniometrické funkce úhlů
pravoúhlého trojúhelníka**

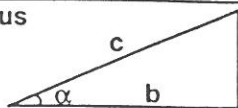


sinus



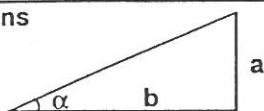
$$\sin \alpha = \frac{a}{c} = \frac{\text{protilehlá}}{\text{přepona}}$$

kosinus



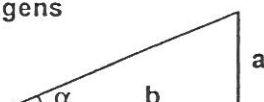
$$\cos \alpha = \frac{b}{c} = \frac{\text{přilehlá}}{\text{přepona}}$$

tangens



$$\text{tg } \alpha = \frac{a}{b} = \frac{\text{protilehlá}}{\text{přilehlá}}$$

kotangens



$$\text{cotg } \alpha = \frac{b}{a} = \frac{\text{přilehlá}}{\text{protilehlá}}$$