

$$c = \sqrt{a^2 + b^2} \leadsto c^2 = a^2 + b^2$$

$$a^2 = c^2 - b^2$$

$$a = \sqrt{c^2 - b^2}$$

$$b = \sqrt{c^2 - a^2}$$

$$\cos \alpha = \frac{b}{c}$$

$$\sin \alpha = \frac{a}{c}$$

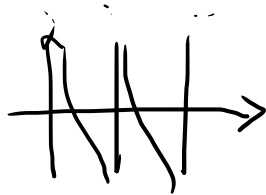
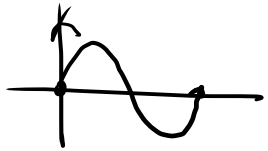
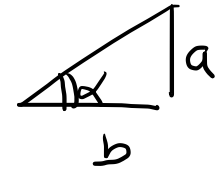
$$\tan \alpha = \frac{a}{b}$$

$$c = \sqrt{5^2 + 10^2} = \sqrt{25 + 100} = 11,18$$

$$\cos \alpha = \frac{10}{11,18} = 0,89 \leadsto \alpha = \cos^{-1}(0,89) = 26^\circ,56$$

$$\sin \alpha = \frac{5}{11,18} = \underline{0,447} \leadsto \alpha = \arcsin(0,447) = 26^\circ,56$$

$$\underline{\underline{\text{tg} \alpha = \frac{a}{b} = \frac{5}{10} = 0,5 \quad \leadsto \quad \alpha = \text{arctg}(0,5) = 26,56^\circ}} \quad \underline{\underline{=}}$$



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