

$$\cos 30^\circ = \frac{y}{218}$$

$$X = 218(\angle 80^\circ) = 109$$

$$y = 218 (\cos 30^\circ)$$
$$\approx 188,8$$

$$A = \frac{B}{C}$$

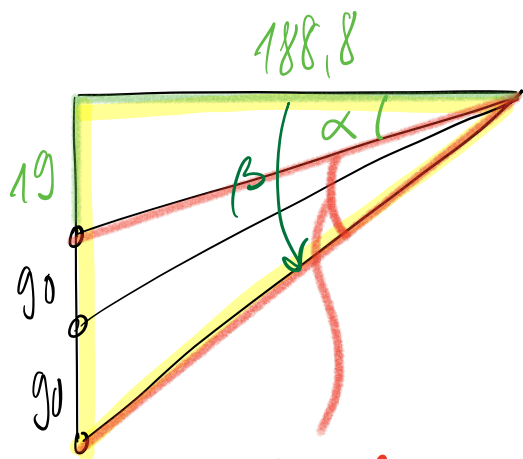
$$AC = B$$

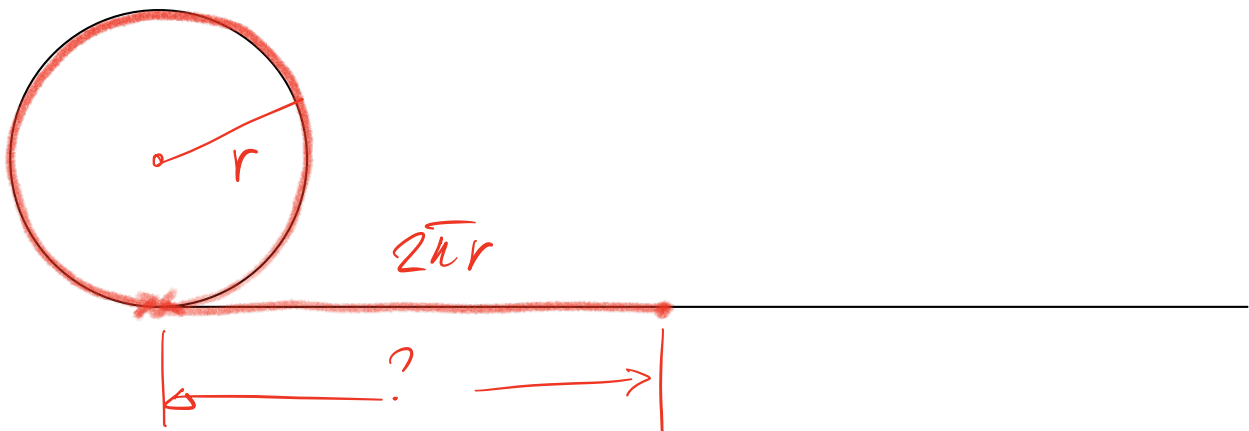
$$C = \frac{B}{A}$$

$$\alpha = \tan^{-1}\left(\frac{19}{188,8}\right) \approx 5,74^\circ$$

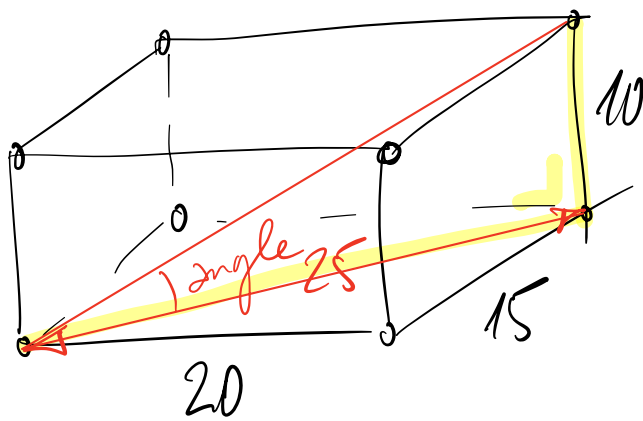
$$\beta = \tan^{-1} \left(\frac{199}{188,8} \right) \approx 46,5^\circ$$

$$46,5^\circ - 5,74^\circ \simeq 40,76^\circ \simeq \underline{40,8^\circ}$$

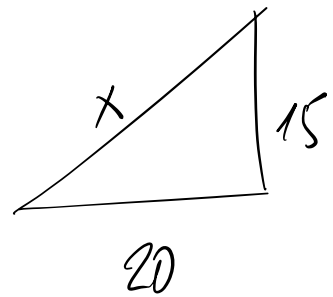




72 km



$$\tan^{-1}\left(\frac{10}{25}\right)$$



$$A = \frac{B}{C}$$

$$\frac{A}{1} = \frac{B}{C}$$

$$3 = \frac{12}{4}$$

$$12 = 4 \cdot 3$$

$$3 = \frac{12}{4}$$

$$4 = \frac{12}{3}$$

$$B = A \cdot C$$

$$C = \frac{B}{A}$$