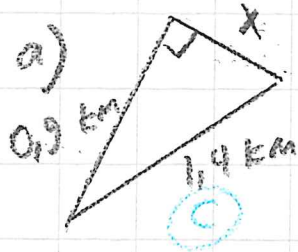
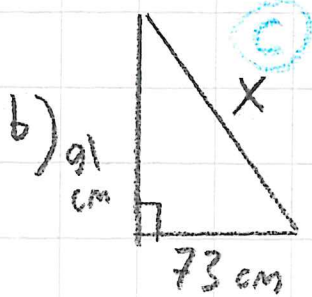


S. 49

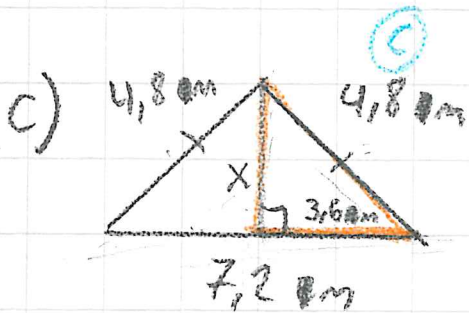
169



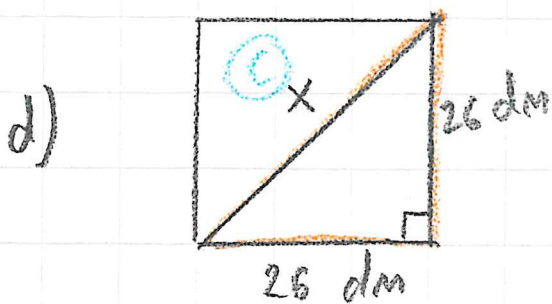
$$\begin{aligned} X^2 + 0,9^2 &= 1,4^2 \\ X^2 + 0,81 &= 1,96 \quad \parallel -0,81 \\ X^2 &= 1,15 \\ X &= \sqrt{1,15} \\ X &= 1,072... \\ X &\approx 1,1 \text{ km} \end{aligned}$$



$$\begin{aligned} 73^2 + 91^2 &= X^2 \\ 5329 + 8281 &= X^2 \\ 13610 &= X^2 \\ X &= \sqrt{13610} \\ X &= 116,66... \\ X &\approx 117 \text{ cm} \end{aligned}$$



$$\begin{aligned} X^2 + 3,6^2 &= 4,8^2 \\ X^2 + 12,96 &= 23,04 \quad \parallel -12,96 \\ X^2 &= 10,08 \\ X &= \sqrt{10,08} \\ X &= 3,17... \\ X &\approx 3,2 \text{ m} \end{aligned}$$



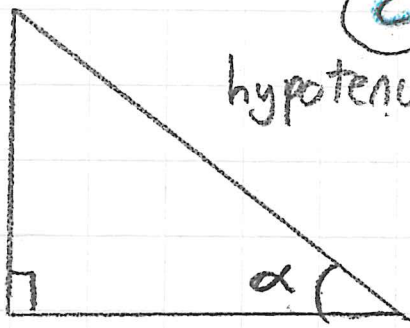
$$\begin{aligned} 26^2 + 26^2 &= X^2 \\ 676 + 676 &= X^2 \\ 1352 &= X^2 \\ X &= \sqrt{1352} \\ X &= 36,76... \\ X &\approx 37 \text{ dm} \end{aligned}$$

s.51

vastainen

kateetti

(a)



viereinen kateetti

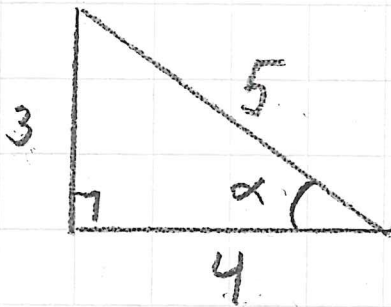
(b)

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

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

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

esim



$$\sin \alpha = \frac{3}{5}$$

$$[\sin^{-1}(3 \div 5)]$$

$$\alpha \approx 37^\circ$$

$$\cos \alpha = \frac{4}{5}$$

$$[\cos^{-1}(4 \div 5)]$$

$$\alpha \approx 37^\circ$$

$$\tan \alpha = \frac{3}{4}$$

$$[\tan^{-1}(3 \div 4)]$$

$$\alpha \approx 37^\circ$$

esim.



$$\tan \alpha = \frac{2}{3}$$

$$\alpha = 33,69...^\circ$$

$$\alpha \approx 34^\circ$$

176

s.50

197

s.54