

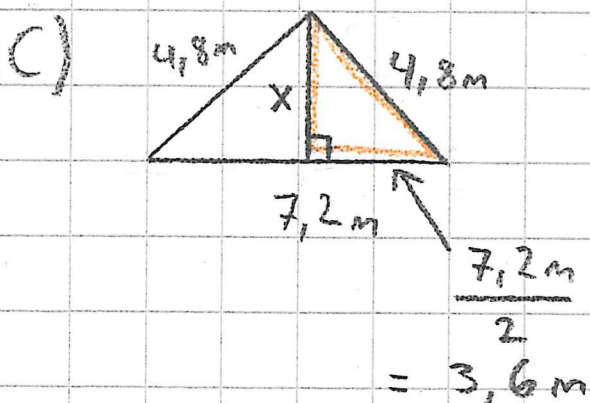
$$a^2 + b^2 = c^2$$

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S.49

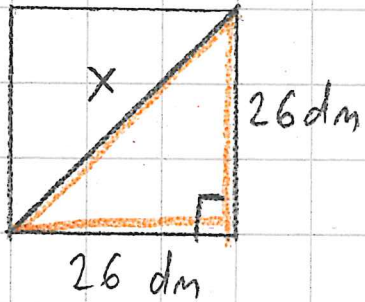
$$\begin{aligned} \text{a)} \quad X^2 + 0,9^2 &= 1,4^2 \\ X^2 + 0,81 &= 1,96 \quad \parallel -0,81 \\ X^2 &= 1,15 \\ X &= \sqrt{1,15} \\ X &= 1,072... \\ X &\approx \underline{1,1 \text{ km}} \end{aligned}$$

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



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

d)



$$26^2 + 26^2 = x^2$$

$$676 + 676 = x^2$$

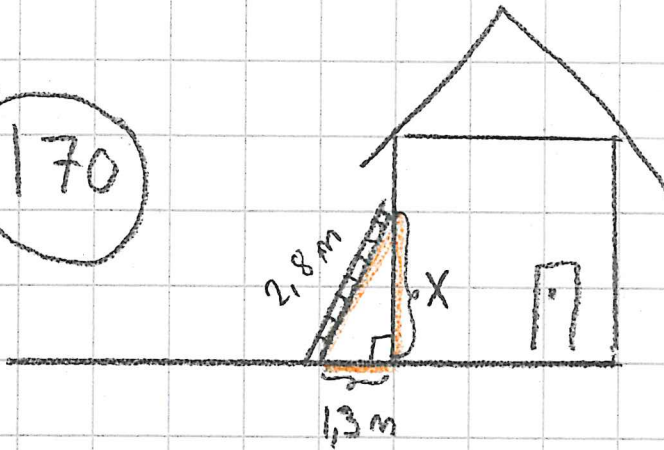
$$1352 = x^2$$

$$x = \sqrt{1352}$$

$$x = 36,76...$$

$$x \approx 37 \text{ dm}$$

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$$x^2 + 1,3^2 = 2,8^2$$

$$x^2 + 1,69 = 7,84 \quad || -1,69$$

$$x^2 = 6,15$$

$$x = \sqrt{6,15}$$

$$x = 2,47...$$

$$x \approx 2,5 \text{ m}$$