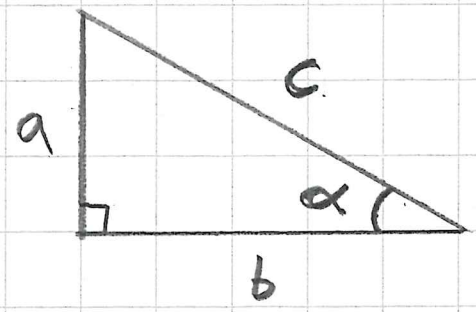
s. 54



a = vastainen kateetti
b = viereinen kateetti
c = hypotenuusa

$$\sin\alpha = \frac{a}{c} \qquad \cos\alpha = \frac{b}{c} \qquad \tan\alpha = \frac{a}{b}$$

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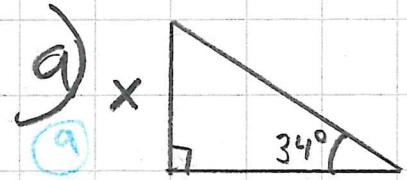
s. 56

a)

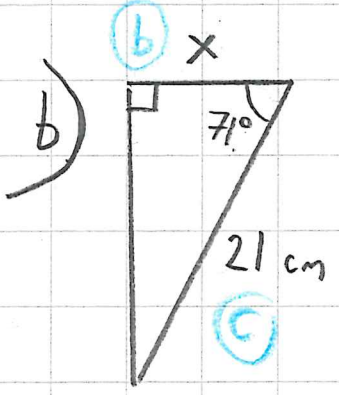


$$\tan 34° = \frac{x}{8}$$

$$8 \cdot 0{,}675 = \frac{8x}{8} \quad | \cdot 8$$

$$x = 5{,}4 \text{ cm}$$

b)



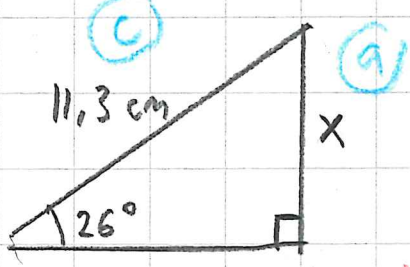
$$\cos 71° = \frac{x}{21}$$

$$21 \cdot 0{,}326 = \frac{x}{21} \quad | \cdot 21$$

$$x = 6{,}846 \text{ cm}$$

$$x \approx 6{,}8 \text{ cm}$$

c)



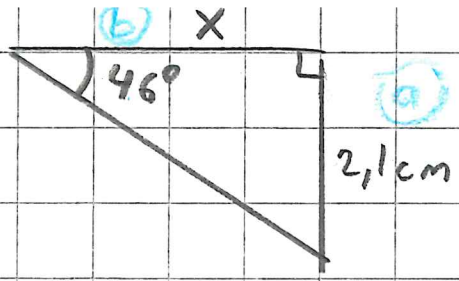
$$\sin 26° = \frac{x}{11{,}3}$$

$$11{,}3 \cdot 0{,}438 = \frac{x}{11{,}3} \quad | \cdot 11{,}3$$

$$x = 4{,}9494$$

$$x \approx 4{,}95 \text{ cm}$$

d)



$$\tan 46° = \frac{2,1}{x}$$

$$1,036 = \frac{2,1}{x} \quad \| \cdot x$$

$$\frac{1,036 \cdot x}{1,036} = \frac{2,1}{1,036} \quad \| : 1,036$$

$$x = 2,027...$$

$$x \approx 2,0 \text{ cm}$$

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S. 56