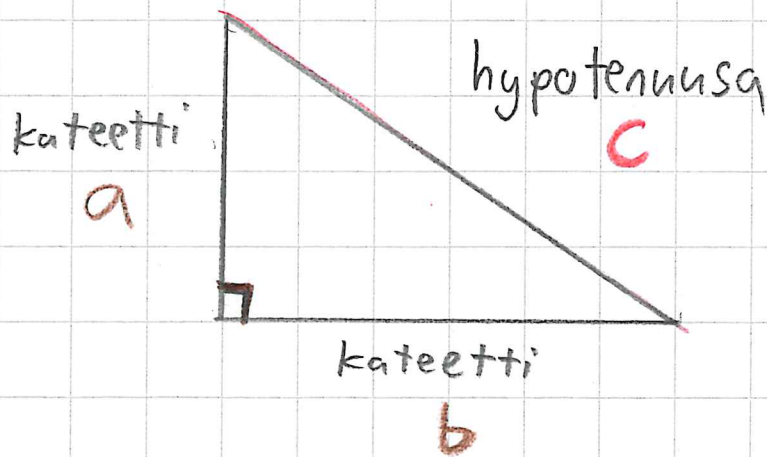


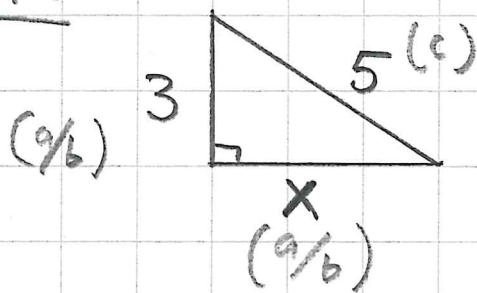
Suorakulmainen kolmio

S. 48



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

esim.



$$\cancel{x}^2 + 3^2 = 5^2$$

$$x^2 + \cancel{9} = \cancel{25}$$

$$x^2 = 16$$

$$x = \sqrt{16}$$

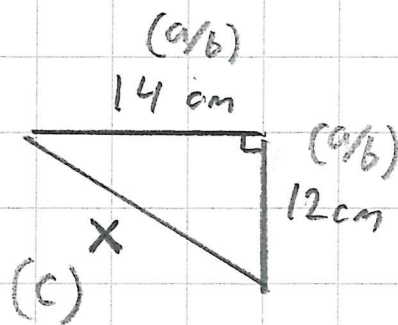
$$x = 4$$

$$\begin{array}{l} \parallel -9 \\ \parallel \sqrt{} \end{array}$$

S. 49

167

a)



$$14^2 + 12^2 = \cancel{x}^2$$

$$196 + 144 = x^2$$

$$340 = x^2$$

$$x = \sqrt{340}$$

$$x = 18,43... \text{ cm}$$

$$x \approx 18 \text{ cm}$$

167

b

168

a, b

167 b) $7^2 + 2^2 = x^2$
 $49 + 4 = x^2$
 $53 = x^2$
 $x = \sqrt{53}$
 $x = 7,28...$
 $x \approx 7 \text{ m}$

168 a) $x^2 + 5,2^2 = 9,4^2$
 $x^2 + 27,04 = 88,36 \quad || -27,04$
 $x^2 = 61,32$
 $x = \sqrt{61,32}$
 $x = 7,83... \text{ m}$
 $x \approx 7,8 \text{ m}$

b) $x^2 + 21^2 = 48^2$
 $x^2 + 441 = 2304 \quad || -441$
 $x^2 = 1863$
 $x = \sqrt{1863}$
 $x = 43,162...$
 $x \approx 43 \text{ cm}$

167 c, d

168 c, d

BONUS: 169