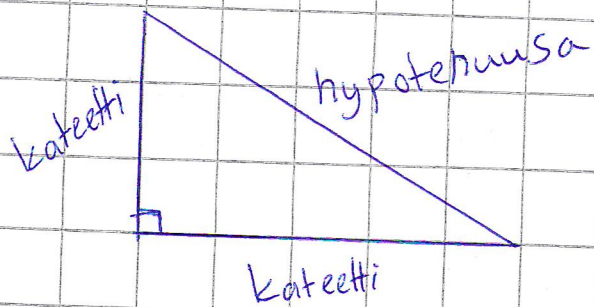


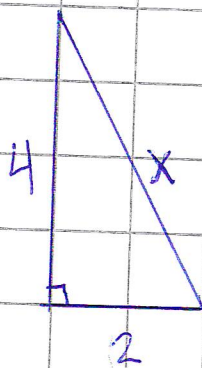
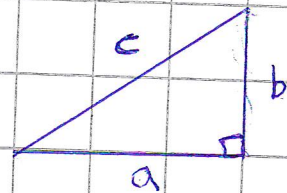
# Pythagoraan lause

s. 48

- vain suorakulmaisille kolmioille!



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

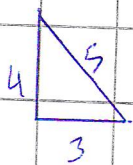


$$4^2 + 2^2 = x^2$$

$$16 + 4 = x^2$$

$$x^2 = 20$$

||:√



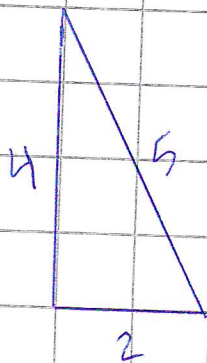
$$4^2 + 3^2 = 25$$

$$5^2 = 25$$

$$x = \sqrt{20}$$

V: on suorakulmainen

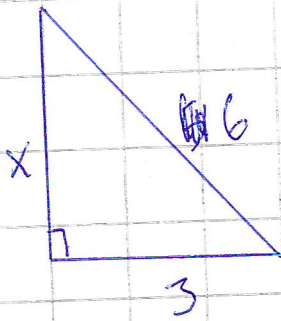
$$x = 4,47... \approx 4,5$$



$$4^2 + 2^2 = 16 + 4 = 20$$

$$5^2 = 25$$

Vastaus: kolmio ei ole suorakulmainen



$$x^2 + 3^2 = 6^2$$

$$x^2 + 9 = 36$$

$$\parallel - 9$$

$$x^2 = 27$$

$$\parallel \sqrt{\quad}$$

$$x = \sqrt{27}$$

$$x \approx 5,2$$

tehtävät: 163 - 169 s. 49

kohtitehtävät: 175, 176 s. 50