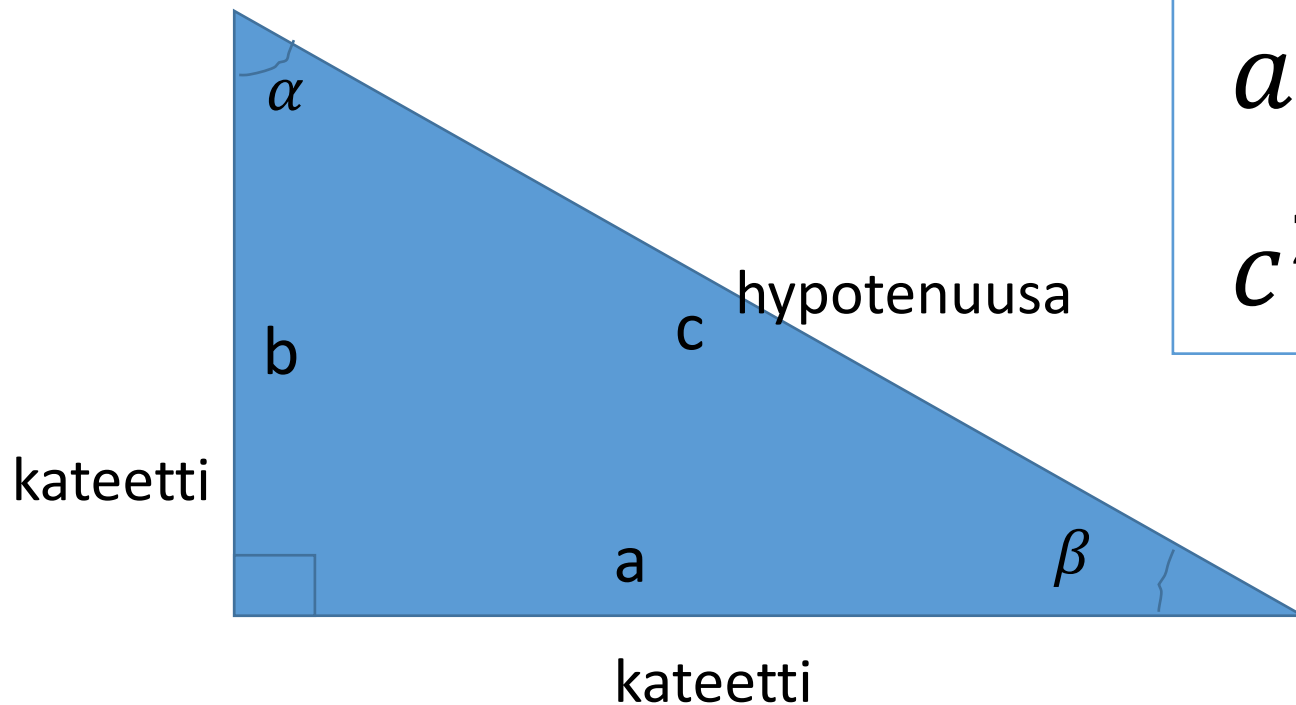


Suorakulmainen kolmio ja Pythagoraan lause -kertausta

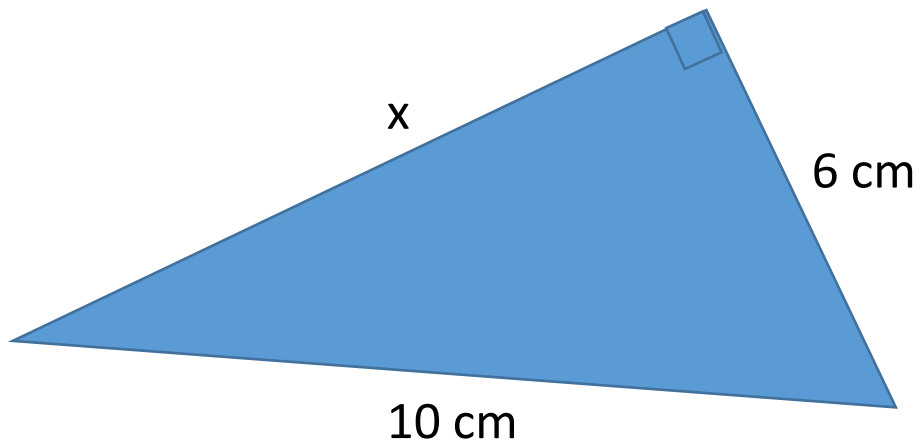


$$a^2 + b^2 = c^2$$

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

Kateetin pituus

- Laske kateetin x pituus.



$$x^2 + 6^2 = 10^2$$

$$x^2 + 36 = 100$$

$$x^2 = 100 - 36$$

$$x^2 = 64$$

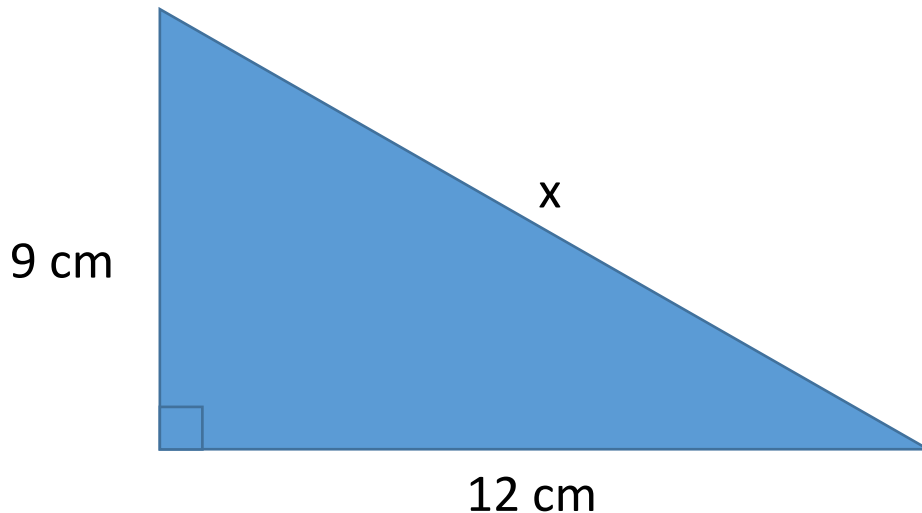
$$x = \sqrt{64} \quad (\text{tai } x = -\sqrt{64})$$

$$x = 8 \quad (\text{tai } x = -8)$$

Vastaus: Kateetin pituus on 8 cm.

Hypotenuusan pituus

- Laske hypotenuusan x pituus.



$$x^2 = 9^2 + 12^2$$

$$x^2 = 81 + 144$$

$$x^2 = 225$$

$$x = \sqrt{225} \quad (\text{tai } x = -\sqrt{225})$$

$$x = 15 \quad (\text{tai } x = -15)$$

Vastaus: Hypotenuusan pituus on 15 cm.

Tehtävät: TK s.12 27-29
LT9 s.25 75, 77-81