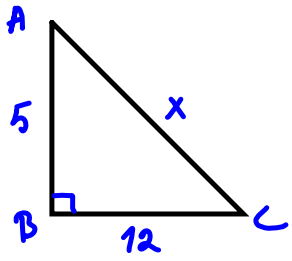
PYTHAGORAAN LAUSE

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

E1 Laske hypotenuusan pituus.

AC



$x^2 = 5^2 + 12^2$

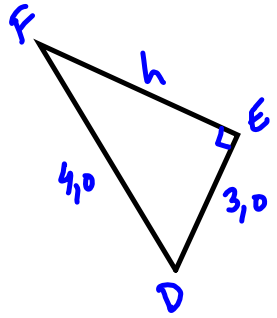
$x^2 = 25 + 144$

$x^2 = 169 \quad |\sqrt{\ }$

$x = (\pm)\sqrt{169}$, pituus > 0

$x = 13$

E2



Laske kolmion korkeus.

DF hypotenuusa

$4{,}0^2 = 3{,}0^2 + h^2$

$16 = 9 + h^2 \quad |-9$

$16 - 9 = h^2$

$h^2 = 7 \quad |\sqrt{\ }$

$h = (\pm)\sqrt{7}$, pituus > 0

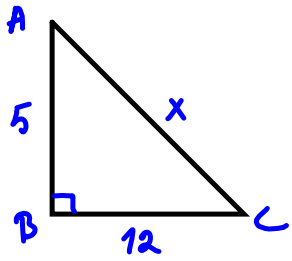
$\approx 2{,}645\ldots$

$\approx 2{,}6$

PYTHAGORAAN LAUSE

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

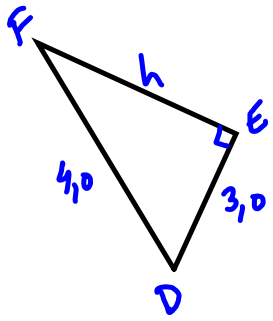
E1 Laske hypotenuusan pituus.
AC



, pituus > 0

$x = 13$

E2



Laske kolmion korkeus.

DF hypotenuusa

$4{,}0^2 = 3{,}0^2 + h^2$

, pituus > 0