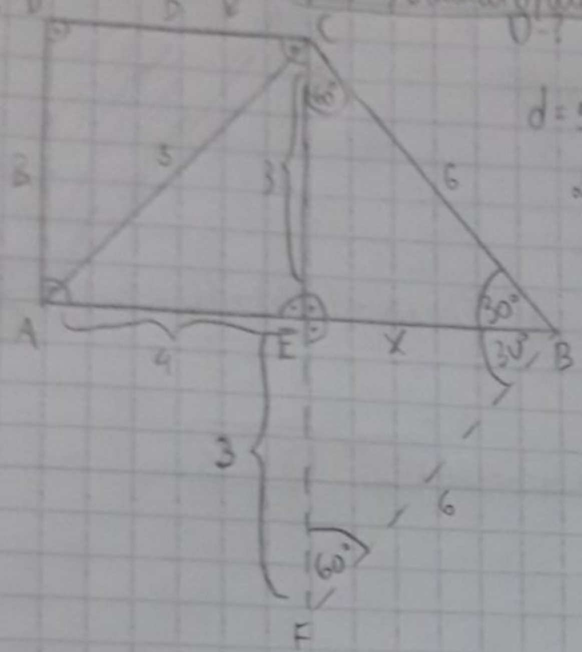
Вежбање

1) *Збирка, страна 45:

2) 361. (3, 4, 5) Питагорина тројка



O-? P-?

$d = 5cm \quad c = 6cm$

$\alpha = 30°$

$\beta = 180° - 30° \quad \beta = 150°$

$\gamma = 150° - 90° \quad \gamma = 60°$

$\boxed{h = 3cm}$

$x = \frac{6\sqrt{3}}{2}$ (x → висина једнакостраничног ΔCFB)

$3^2 + x^2 = 6^2 \quad x = \sqrt{27}$

$x^2 = 36 - 9 \quad x = \sqrt{9 \cdot 3}$

$x^2 = 27 \quad \boxed{x = 3\sqrt{3}\ cm}$

$DC^2 = 5^2 - 3^2$
(из Δ ADC)

$DC^2 = 16cm^2$

$\boxed{DC = 4cm}$

$\boxed{AE = DC} \quad \boxed{AE = 4cm = b}$

$\boxed{a = 4 + 3\sqrt{3}\ cm}$

$P = \frac{4 + 3\sqrt{3} + 4}{2} \cdot 3$

$P = \frac{8 + 3\sqrt{3}}{2} \cdot 3$

$\boxed{P = \frac{(8 + 3\sqrt{3}) \cdot 3}{2}}$

*Степени: а) $2^{13} \cdot 0,5^{13} = (2 \cdot 0,5)^{13}$

б) $85^4 : 5^4 = (85 : 5)^4$

в) $-2^3 + 1^{10} - 3^2 + (2^2)^4 = -8 + 1 - 9 + 256$