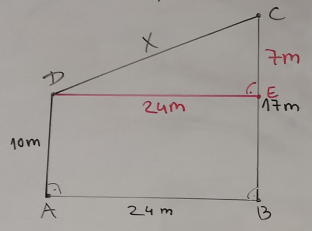
Питагорина теорема – вежбање

232.



ΔDEC:

$X^2 = 24^2 + 7^2$

$X^2 = 576 + 49$

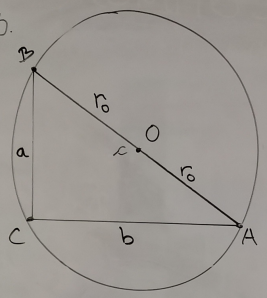
$X^2 = 625$

$X = \sqrt{625}$

$X = 25m$

Дужина кабла између врхова столбова је 25m.

233.



$a = 30cm$

$b = 40cm$

$r_0 = ?$

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

$c^2 = 30^2 + 40^2$

$c^2 = 900 + 1600 = 2500$

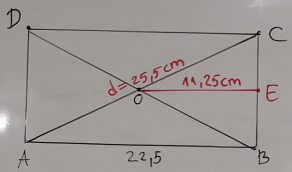
$c = \sqrt{2500}$

$c = 50cm$

$r_0 = \frac{c}{2}$

$r_0 = 25cm$

277.



$OE = 11,25cm$

$d = 25,5cm$

$O = ?$ $P = ?$

$AB = 2 \cdot OE = 2 \cdot 11,25cm$

$AB = 22,5cm$

$BC^2 = AC^2 - AB^2$

$BC^2 = 25,5^2 - 22,5^2$

$BC^2 = 650,25 - 506,25$

$BC^2 = 144$

$BC = \sqrt{144}$

$BC = 12cm$

$O = 2 \cdot (AB + BC) = 2 \cdot (22,5cm + 12cm) = 2 \cdot 34,5cm$

$O = 69cm$

$P = AB \cdot BC = 22,5\ cm \cdot 12\ cm$

$P = 270cm^2$

Домаћи:
276, 279

Писмени задатак:
4. 11. 20.