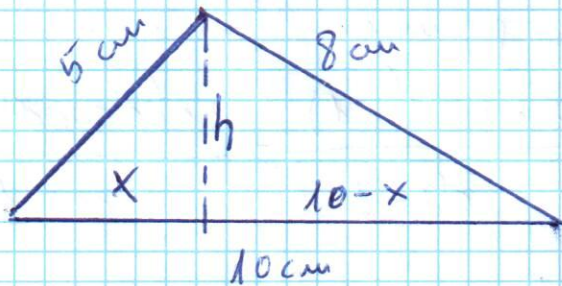


(50)

Calcular la altura



$$\left. \begin{aligned} 5^2 &= x^2 + h^2 // h^2 = 5^2 - x^2 \\ 8^2 &= (10-x)^2 + h^2 // h^2 = 8^2 - (10-x)^2 \end{aligned} \right\} \Rightarrow$$

$$\Rightarrow 5^2 - x^2 = 8^2 - (10-x)^2$$

$$5^2 - x^2 = 8^2 - (100 + x^2 - 20x)$$

$$5^2 - x^2 = 8^2 - 100 - x^2 + 20x$$

$$-x^2 + x^2 - 20x = 8^2 - 100 - 5^2$$

$$-20x = -61$$

$$x = \frac{-61}{-20} = 3,05$$

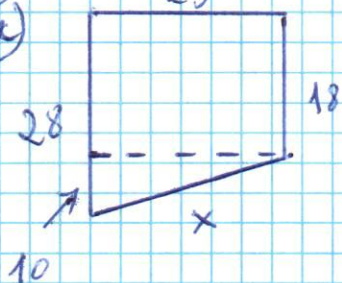
Hallamos la h.

$$5^2 = x^2 + h^2 // 5^2 = 3,05^2 + h^2 // h^2 = 5^2 - 3,05^2$$

$$h = \sqrt{5^2 - 3,05^2} = \sqrt{25 - 9,3025} = \sqrt{15,697} = \underline{\underline{3,96 \text{ cm}}}$$

(55)

a) calcula el perímetro



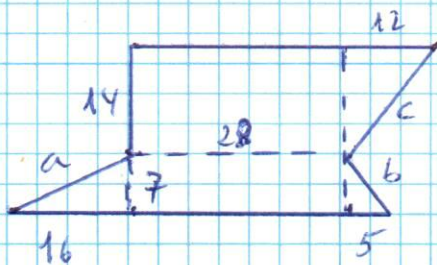
$$x^2 = 10^2 + 25^2$$

$$x^2 = 725$$

$$x = \sqrt{725} = \underline{\underline{26'93}}$$

$$P = 28 + 25 + 18 + 26'93 = 97'93 \text{ cm.}$$

b)



$$a^2 = 16^2 + 7^2 = 305 // a = \sqrt{305} = 17'46 \text{ cm.}$$

$$b^2 = 5^2 + 7^2 = 74 // b = \sqrt{74} = 8'6 \text{ cm.}$$

$$c^2 = 12^2 + 14^2 = 340 // c = \sqrt{340} = 18'44 \text{ cm.}$$

$$P = 17'46 + 14 + 40 + 18'44 + 8'6 + 49 = \underline{\underline{147'5}}$$