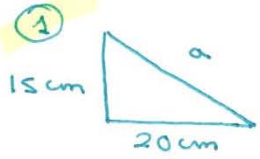
TEOREMA DE PITÀGORES

1



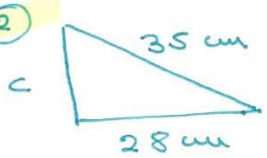
$a^2 = 15^2 + 20^2$

$a^2 = 625$

$a = \sqrt{625}$

$\boxed{a = 25 \text{ cm}}$

2



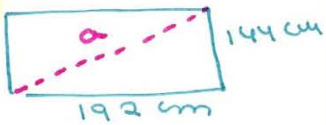
$35^2 = 28^2 + c^2$

$1225 = 784 + c^2$

$c^2 = 441 \Rightarrow c = \sqrt{441}$

$\boxed{c = 21 \text{ cm}}$

4



$a^2 = 144^2 + 192^2$

$a^2 = 20736 + 36864$

$a^2 = 57600$

$a = \sqrt{57600}$

$\boxed{a = 240 \text{ cm}}$

3



a) $15^2 = 12^2 + c^2$

$225 = 144 + c^2$

$c^2 = 225 - 144$

$c^2 = 81$

$\boxed{c = \sqrt{81} = 9 \text{ cm}}$

b) $a^2 = 32^2 + 24^2$

$a^2 = 1024 + 576$

$a^2 = 1600$

$a = \sqrt{1600}$

$\boxed{a = 40 \text{ cm}}$

c) $169^2 = 65^2 + c^2$

$28561 = 4225 + c^2$

$c^2 = 24336$

$c = \sqrt{24336}$

$\boxed{c = 156 \text{ cm}}$

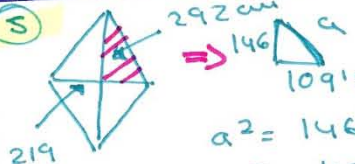
d) $289^2 = b^2 + 255^2$

$83521 = b^2 + 65025$

$18496 = b^2$

$\boxed{b = \sqrt{18496} = 136 \text{ cm}}$

5



$292 : 2 = 146$

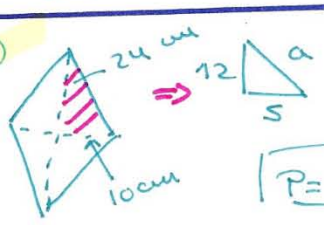
$219 : 2 = 109'5$

$a^2 = 146^2 + 109'5^2$

$a^2 = 11990'25$

$\boxed{a = \sqrt{11990'25} = 109'5 \text{ cm}}$

6



$\boxed{P = 13 + 13 + 13 + 13 = 52 \text{ cm}}$

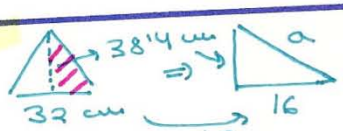
$a^2 = 12^2 + 5^2$

$a^2 = 144 + 25$

$a^2 = 169 \Rightarrow a = \sqrt{169}$

$\boxed{a = 13 \text{ cm}}$

7



$A = \frac{38'4 \cdot 32}{2} = 614'4 \text{ cm}^2$

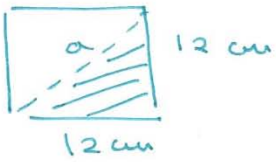
$a^2 = 16^2 + 38'4^2$

$a^2 = 1474'56$

$\boxed{a = 38'4}$

$\boxed{P = 32 + 38'4 + 38'4 = 108'8 \text{ cm}}$

(8)



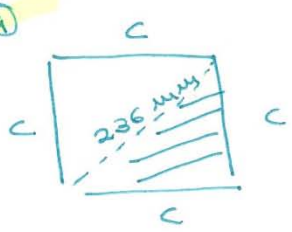
$a^2 = 12^2 + 12^2$

$a^2 = 288$

$a = \sqrt{288}$

$a = 16'97$ cm

(9)



$236^2 = c^2 + c^2$

$236^2 = 2c^2$

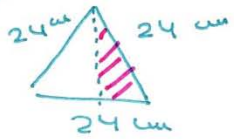
$55696 = 2c^2$

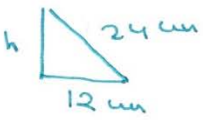
$c^2 = 27848$

$c = \sqrt{27848}$

$c = 166'87$ cm

(10)





$24^2 = h^2 + 12^2$

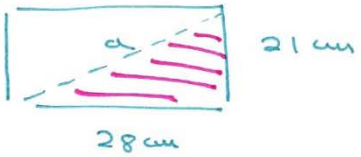
$576 = h^2 + 144$

$h^2 = 432$

$h = \sqrt{432}$

$h = 20'78$ cm

(11)



$a^2 = 21^2 + 28^2$

$a^2 = 441 + 784$

$a^2 = 1225$

$a = \sqrt{1225}$

$a = 35$ cm