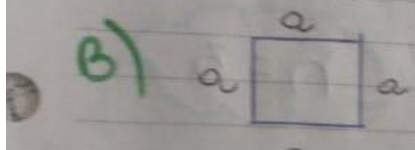
01- A) 400 Peças - 36 $m^2$ → Total

1 Peça - x

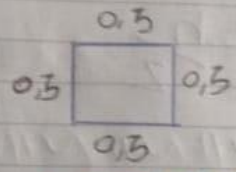
$x = 0{,}09\ m^2$

B) 


$A^2 = a$

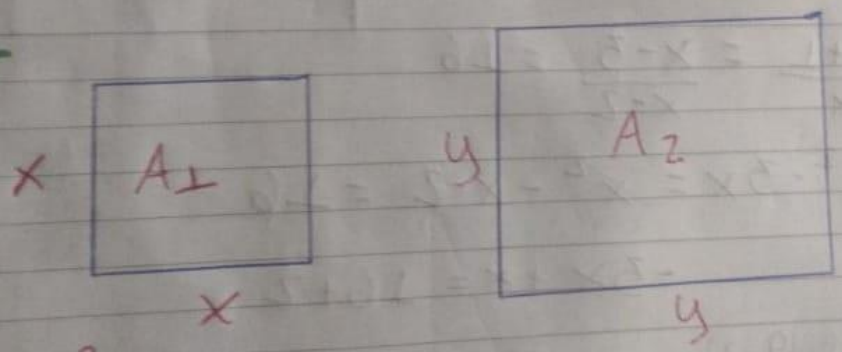
$A^2 = 0{,}09$

$A = 0{,}3$




Perímetro = 1,2 $m^2$

02-




$A_1 = x^2$

$A_2 = y^2$

$A_2 = 2 \cdot A_1$

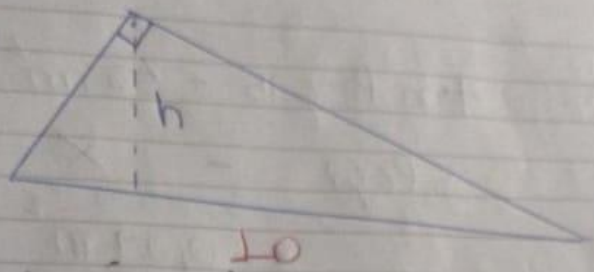
$y^2 = 2 \cdot x^2$

$y = \sqrt{2x^2}$

$y = \sqrt{2}x$

__/__/__

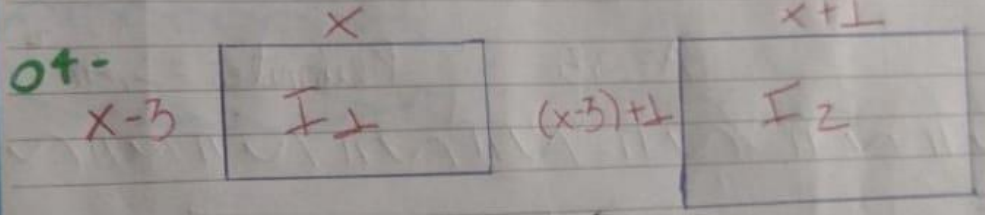
03-




Área do triângulo

$A\triangle = \frac{B.h}{2}$ $\quad 15 = \frac{10.h}{2}$ $\quad h = 3$

04-




$\frac{x+1}{x} = \frac{x-3}{x-2} = 16$

$x^2 - 3x = x^2 - x - 2 = 16$

$-3x + x = 16 + 2$

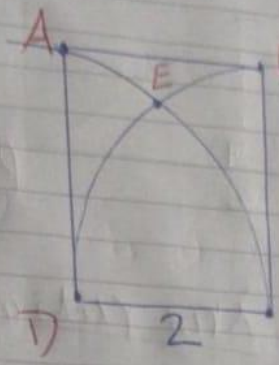
$-2x = 18$

$x = 9$

$S I_2 = (9+1).(9-2)$

$S I_2 = 70\ m^2$

05-




Altura triângulo Equi.

$h = \frac{\ell\sqrt{3}}{2}$

$h = \frac{2\sqrt{3}}{2}$

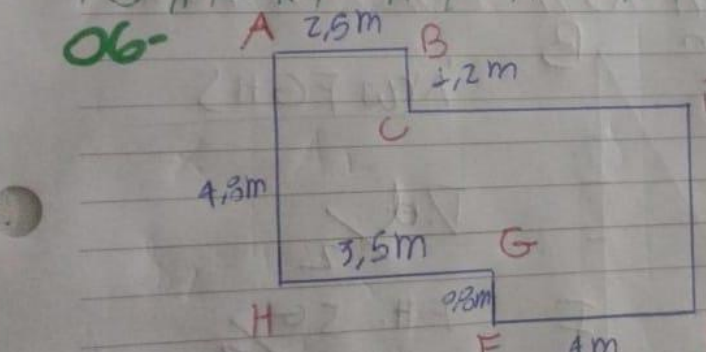
$h = \sqrt{3}$

Área $\Delta$ EDC $= \frac{B \cdot h}{2}$

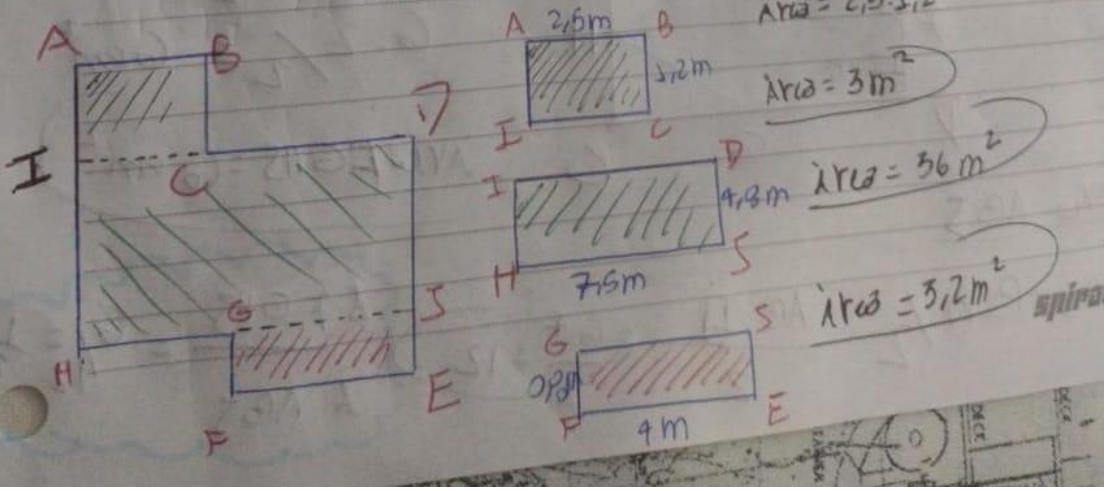
$\Delta EDC = \frac{2 \cdot \sqrt{3}}{2}$

$\Delta EDC = \sqrt{3}$

06-




Área Sala $= 42,2m^2$




Área $= 2,5 \cdot 1,2$

Área $= 3m^2$

Área $= 36m^2$

Área $= 3,2m^2$