1)

400 pçs

$36m^2$ = área.

formato = Quadrado □

A) $36/400 = \lceil 0,09\ m^2 \rfloor$

B) $0,09 = l^2 \rightarrow l^2 = \sqrt{0,09} = 0,3$

$2p = 0,3 \cdot 4 = \lceil 1,2 \rfloor$

2) $5 = x^2$ | $x^2 = y^2/2$

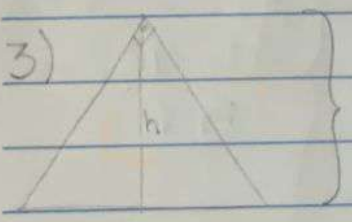
$25 = y^2$ = $2x^2 = y^2$

$5 = y^2/2$ | $y = \sqrt{2x^2}$

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

$y = \sqrt{2}\ x$ ⌈ R: D

3)



$15 = 10.h/2$

$10h = 30$

$h = 30/10$

$\lceil h = 3 \rfloor$ (R: D)

4)

x	
5	x+3m → $S = x(x+3)$
	$S = x^2 + 3x$

$S = 6^2 + 3.6$

$S = 36 + 18$

$S = 54$

x+1	
S + 16m²	x+4

$S + 16 = (x+1).(x+4)$

$S + 16 = x^2 + 4x + x + 4$

$S = x^2 + 5x - 12$

$x^2 + 3x = x^2 + 5x - 12$

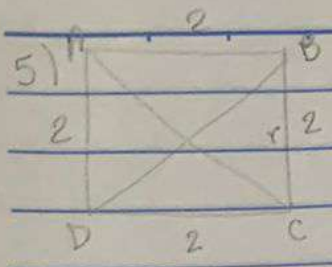
$-2x = 12$ (x -1)

$x = 6$ $x = S + 16$

$x = 54 + 16$

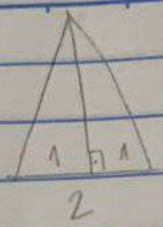
$\lceil x = 70\ m^2 \rfloor$

DOM SEG TER QUA QUI SEX SÁB

5) 

$\ell = 2$

$r = 2$



$M = \ell = 2$

$2^2 = 1^2 + h^2$

$h^2 = 4 - 1$

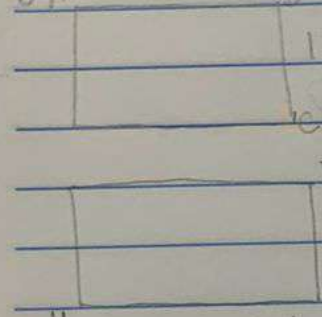
$h = \sqrt{3}$

$A = b.h\ /2$

$A = 2.\sqrt{3}\ /2$

$A = \sqrt{3}$

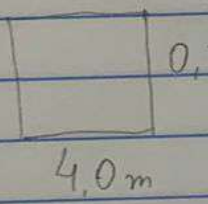
R.B

6) 

$A = b.h \rightarrow 2,5.1,2 = 3m^2$

$A = 3,5 + 4,6 - 1,2$

$A = 36m^2$



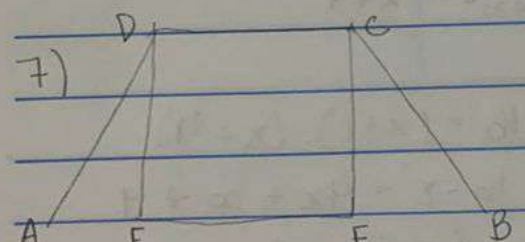
$A = 4.0,8$

$A = 3,2m^2$

$A_T = 3 + 36 + 3,2$

$A_T = 42,2m^2$

R: E

7) 

$ABCD = 36cm^2$

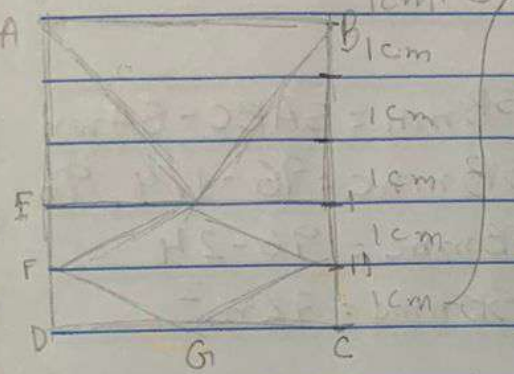
$AB = 2.CD$

$S_{ABCD} = \frac{(B+b).h}{2} \rightarrow 36 = \frac{(2x+x).h}{2} \rightarrow 72 = 3x.h$

$x.h = 24 \rightarrow x.h = S_{CDEF} = 24cm^2$

DOM SEG TER QUA QUI SEX SÁB
DOM LUN MAR MIÉ JUE VIE SÁB

8)



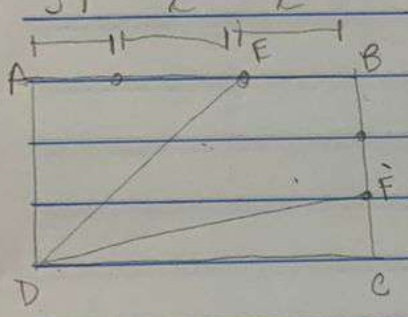
$S_{ABJ} = 6 \cdot 4/2 = 24/2 = 12\,cm^2$

$S_{FGHI} = 6 \cdot 2/2 = 6\,m^2$

$S_{FGHI}/S_{ABJ} = 6/12 = 1/2$

R: D

9)



$S_{ABCD} = 4x \cdot 3x$

$48 = 12x^2$

$x^2 = \sqrt{4}$

$x = 2$

$S_{ADE} = \frac{(2.3).(2.3)}{2}$

$S_{ADE} = 18$

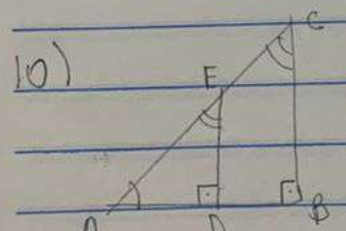
$S_{CDF} = (2.4).2/2$

$S_{CDF} = 8$

$S_{BEFD} = 48 - 18 - 8$

$S_{BEFD} = 22$ (B: E)

10)



$\triangle ADE \sim \triangle ABC$

$\left(\frac{AD}{AB}\right)^2 = \frac{S_{ADE}}{S_{ABC}} \rightarrow \frac{AD^2}{64} \times \frac{1}{2}$

$\left(\frac{AD}{8}\right)^2 = \frac{1/2 \cdot S_{ABC}}{S_{ABC}}$

$2aD^2 = 64$

$AD^2 = 64/2 = 32$

$AD = \sqrt{32}$

$AD = \sqrt{2^2 \cdot 2^2 \cdot 2}$

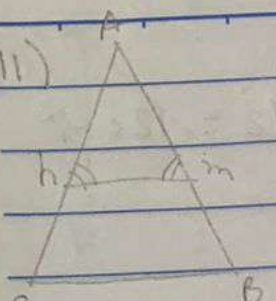
$AD = 2.2\sqrt{2}$

$AD = 4\sqrt{2}$

R: A

DOM SEG TER QUA QUI SEX SÁB

11)



$S_{ABC} = 96 m^2$

$\Delta Amn \sim \Delta ABC$

$mn = 1/2\ BC$

$\frac{S_{Amn}}{S_{ABC}} = 1/4$

$S_{Amn} = 1/4\ S_{ABC}$

$S_{Bmn} = S_{ABC} - S_{Amn}$

$S_{Bmnc} = 96 - 1/4 \cdot 96$

$S_{Bmnc} = 96 - 24$

$S_{Bmnc} = 72 m^2$