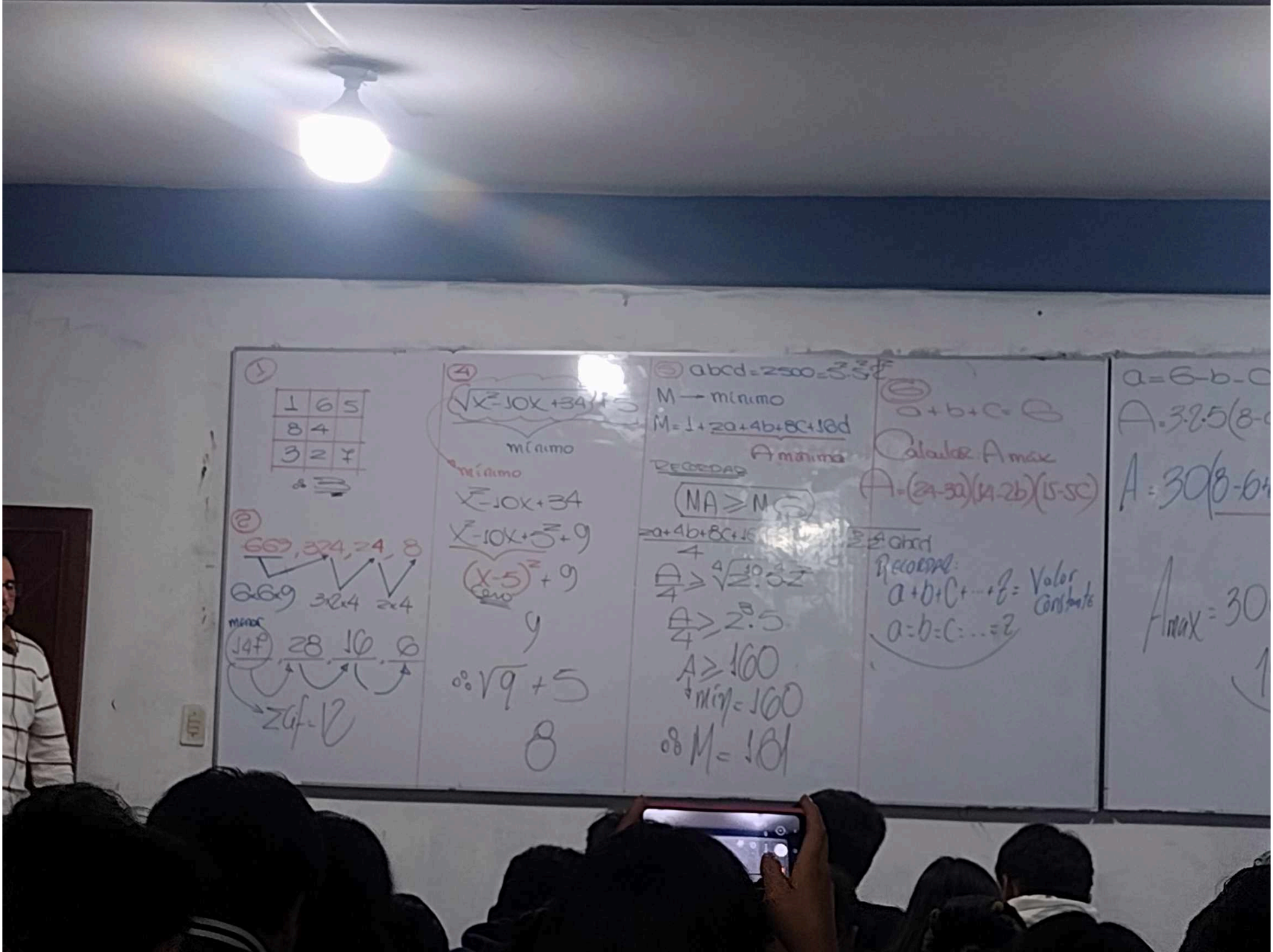
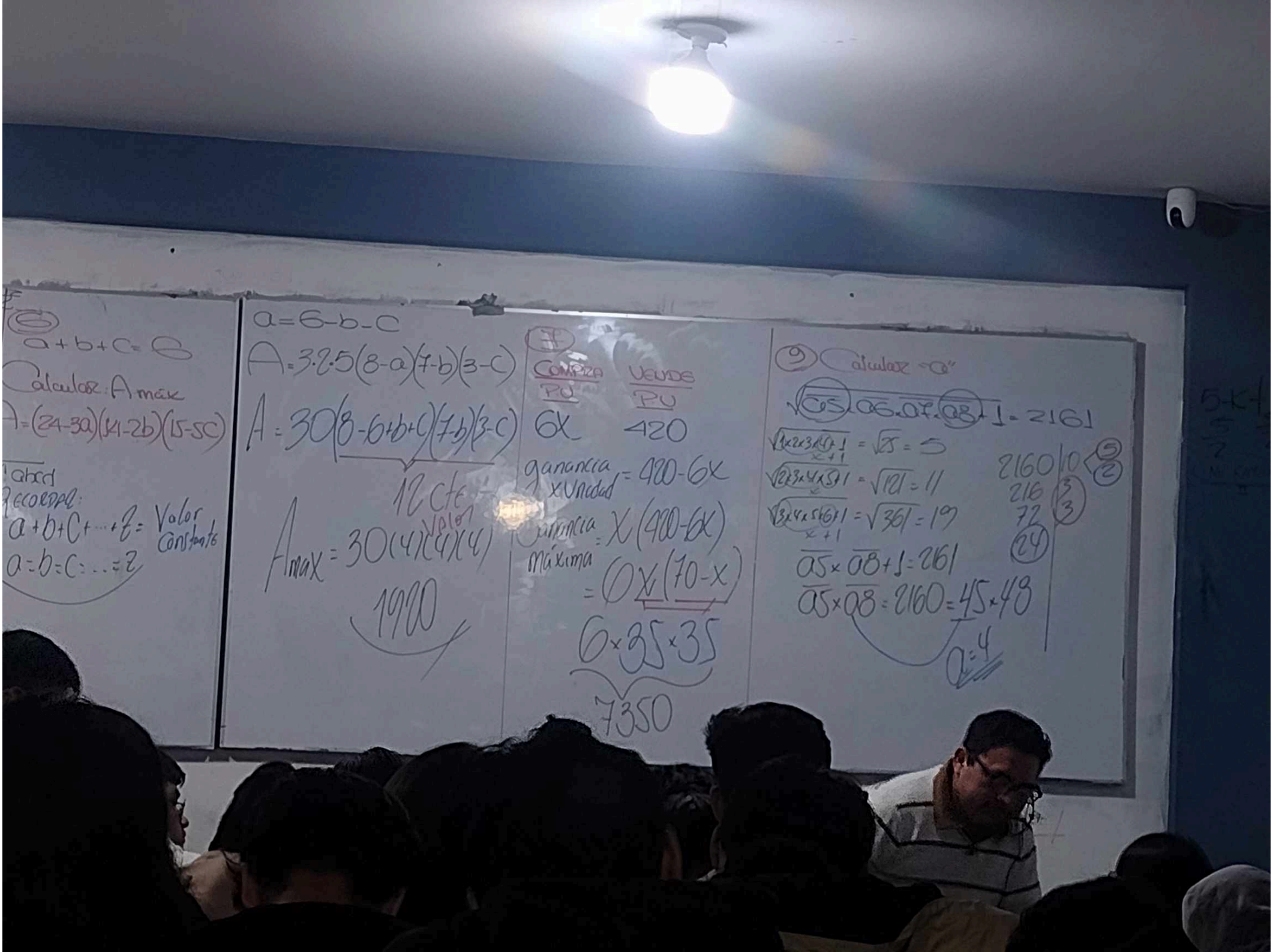
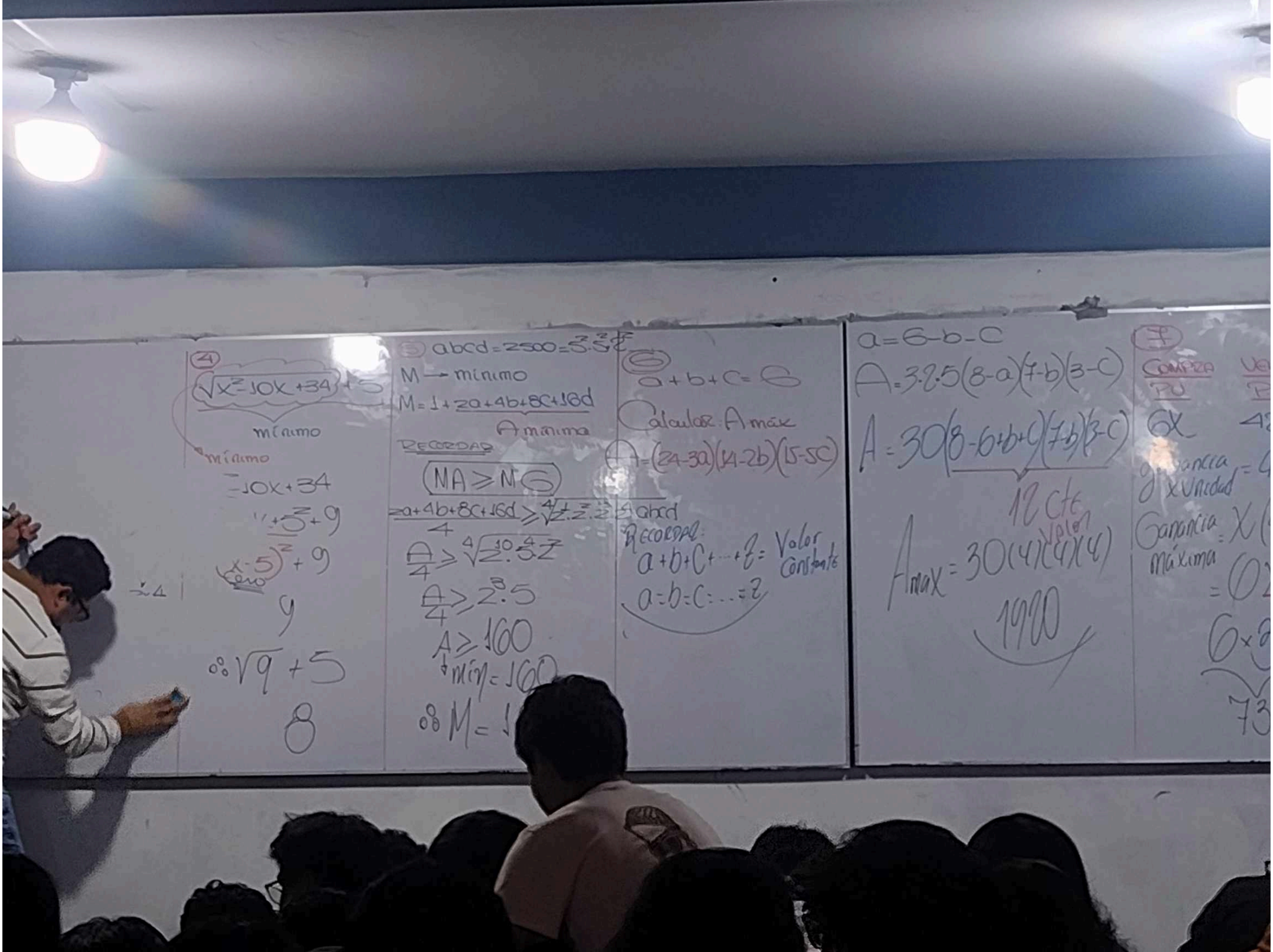
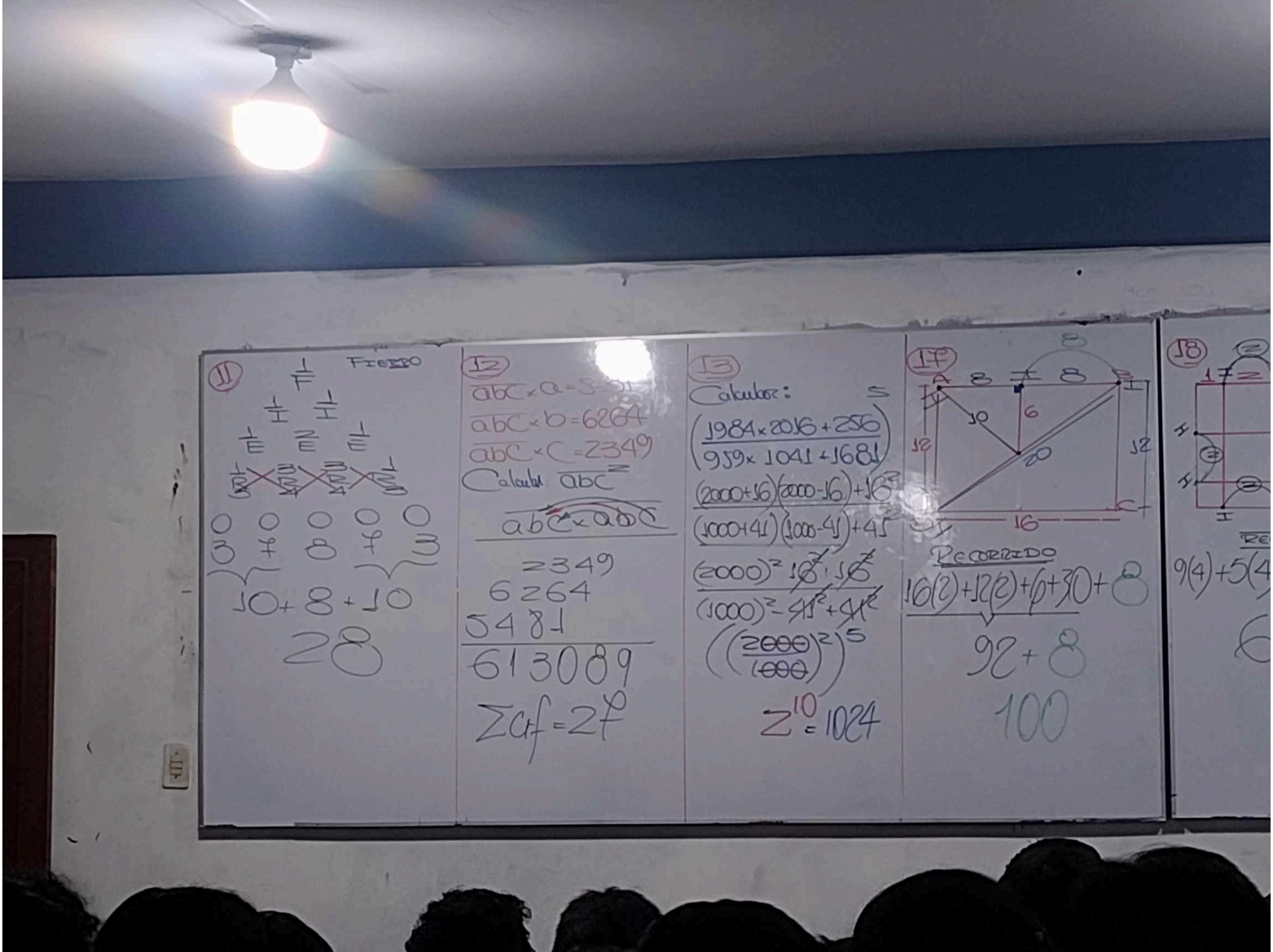
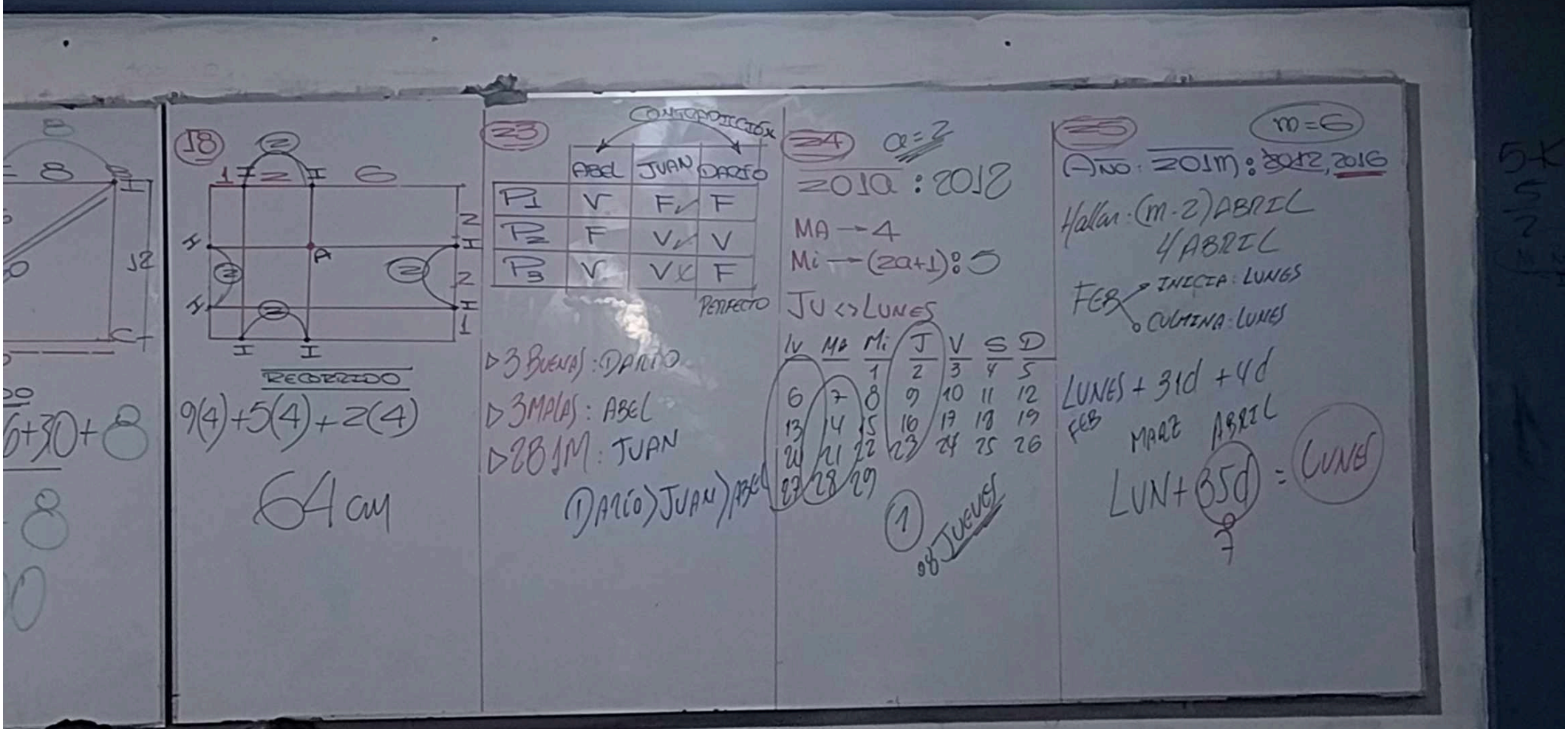
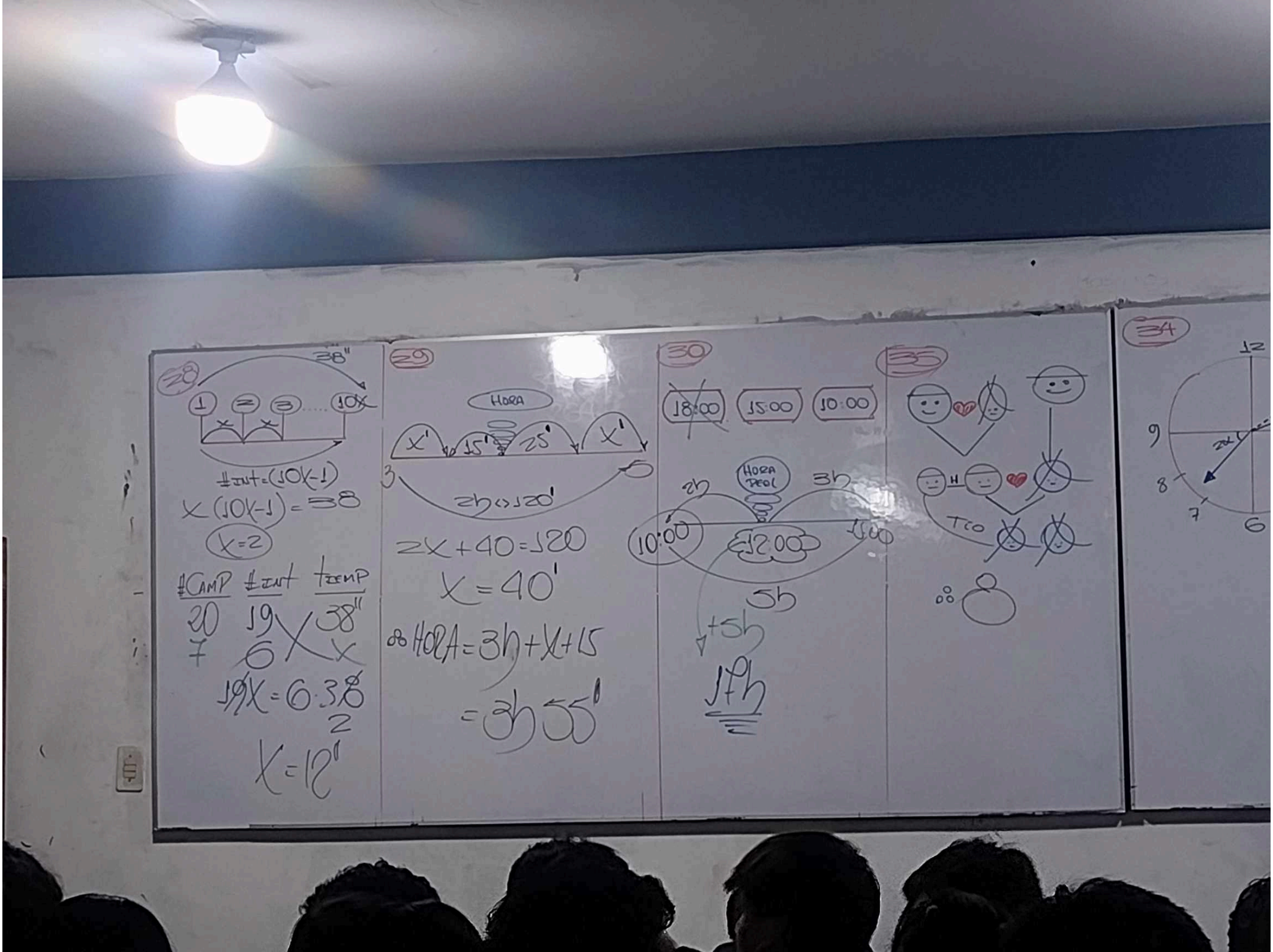

1
1 6 5
8 4
3 2 7
2
669, 324, 24, 8
669 324 24
MCD
147 28 16 8
4
$\sqrt{x^2-10x+34}+5$
mínimo
mínimo
$x^2-10x+34$
$x^2-10x+5^2+9$
$(x-5)^2+9$
cero
9
$\sqrt{9}+5$
8
5
abcd = 2500 = $2^2 \cdot 5^4$
M → mínimo
$M = 1 + 2a + 4b + 8c + 16d$
A mínimo
RECORDAR
$MA \geq M$
$\frac{2a+4b+8c+16}{4} \geq \sqrt[4]{2^{10} \cdot 5^4}$
$\frac{A}{4} \geq \sqrt[4]{2^8 \cdot 5^4}$
$\frac{A}{4} \geq 2^2 \cdot 5$
$A \geq 160$
$A_{mín} = 160$
$M = 161$
6
$a+b+c = 6$
Calcular Amax
$A = (2-3a)(4-2b)(15-5c)$
$2^4 abcd$
Recordar:
$a+b+c+\dots+z =$ Valor constante
$a=b=c=\dots=z$
$a = 6-b-c$
$A = 3 \cdot 2 \cdot 5(8-$
$A = 30(8-6+$
$A_{max} = 30$
1

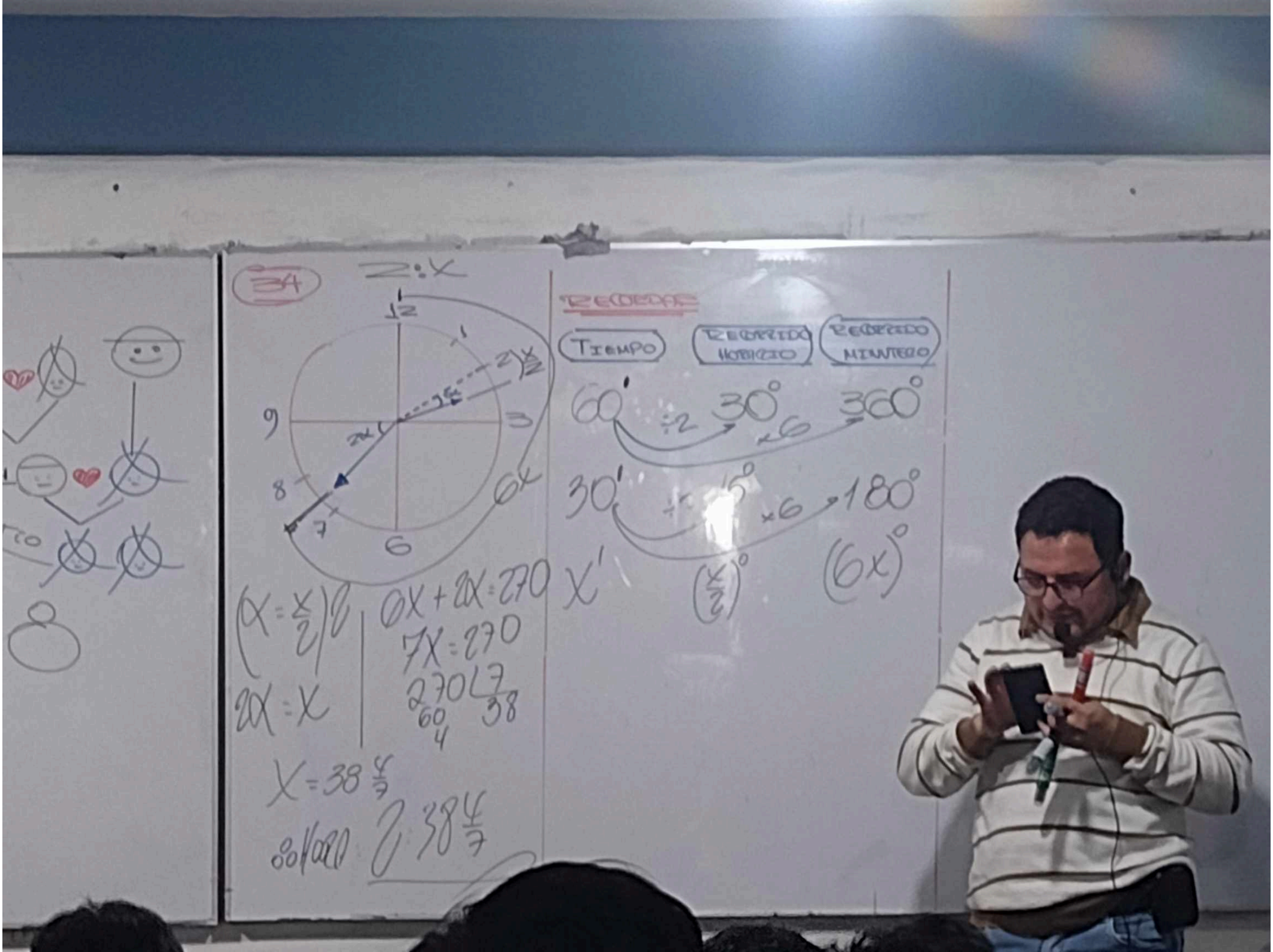

a+b+c=8
Calcular Amáx
A=(24-3a)(14-2b)(15-5c)
a=6-b-c
A=3·2·5(8-a)(7-b)(3-c)
A=30(8-6+b+c)(7-b)(3-c)
12 ctes
Amax=30(4)(4)(4)
1920
Compra PU
Vende PU
6x
420
ganancia x Unidad = 420-6x
Ganancia máxima = x(420-6x)
=6x(70-x)
6×35×35
7350
Calcular "a"
√a5a6.a7.a8+1=2161
2160
216
72
24
a5×a8+1=261
a5×a8=2160=45×48
a=4


④
$\sqrt{x^2-10x+34}+5$
mínimo
mínimo
$=10x+34$
$+5^2+9$
$(x-5)^2+9$
cero
$\div 4$
9
$\therefore \sqrt{9}+5$
8
⑤ $abcd=2500=5^4\cdot 5^2$
M → mínimo
$M=1+2a+4b+8c+16d$
A mínima
RECORDAR
$MA \geq M$ ⑥
$\frac{2a+4b+8c+16d}{4} \geq \sqrt[4]{2^4\cdot 2^2\cdot 5^4}$
$\frac{A}{4} \geq \sqrt[4]{2^{10}\cdot 5^4}$
$\frac{A}{4} \geq 2^3\cdot 5$
$A \geq 160$
$A_{mín}=160$
$\therefore M=$
⑥ $a+b+c=6$
Calcular $A_{máx}$
$A=(24-3a)(14-2b)(15-5c)$
$abcd$
RECORDAR:
$a+b+c+\cdots+z=$ Valor constante
$a=b=c=\cdots=z$
$a=6-b-c$
$A=3\cdot 2\cdot 5(8-a)(7-b)(3-c)$
$A=30(8-6+b+c)(7-b)(3-c)$
12 ctes
Valor
$A_{máx}=30(4)(4)(4)$
1920
⑦
COMPRA
PU
GANANCIA
x UNIDAD
GANANCIA MÁXIMA
$6x$
$=4$
$=x($
$=0$
$6\times$
73


11
Fiebo
3 + 8 + 3
10 + 8 + 10
28
12
abc × a = 5481
abc × b = 6264
abc × c = 2349
Calcular abc²
abc × abc
2349
6264
5481
613089
Σcf = 27
13
Calcular:
(1984 × 2016 + 256) / (959 × 1041 + 1681)
(2000+16)(2000-16)+16² / (1000+41)(1000-41)+41²
(2000)² / (1000)²
((2000/1000)²)⁵
2¹⁰ = 1024
14
A
B
C
D
10
6
20
12
12
16
Recorrido
16(2) + 12(2) + 10 + 30 + 8
92 + 8
100
18
9(4) + 5(4)


18
REGRESO
9(4)+5(4)+2(4)
64 cm
23
CONTRADICCIÓN
ABEL JUAN DARÍO
P1 V F F
P2 F V V
P3 V V F
PERFECTO
▷3 BUENAS: DARÍO
▷3 MALAS: ABEL
▷2 B 1 M: JUAN
DARÍO > JUAN > ABEL
24
2010 : 2018
MA → 4
Mi → (2a+1) : 5
JU ↔ LUNES
Lu Ma Mi J V S D
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29
1
08 JUEVES
25
m = 6
AÑO: 201m : 2012, 2016
Hallar: (m-2) ABRIL
4 ABRIL
FEB → INICIA: LUNES
CULMINA: LUNES
LUNES + 31d + 4d
FEB MARZ ABRIL
LUN + 35d = LUNES
7
CS: ⟨-8,-1] ∪ [8,12⟩


28
38"
1
2
3
10
#int=(10x-1)
x(10x-1)=38
x=2
#CAMP #int tEMP
20 19 38"
7 6 x
19x=6.38
2
x=12"
29
HORA
x'
15'
25'
x'
3
5
2h<>120'
2x+40=120
x=40'
∴HORA=3h+x+15
=2h55'
30
18:00
15:00
10:00
HORA PEOL
2h
3h
10:00
12:00
5h
+5h
17h
35
H
TCO
∴
34
12
9
8
7
6


34
2:X
12
1
9
3
8
7
6
2X
X
6X
(X = X/2)2
2X = X
0X + 2X = 270
7X = 270
27047
60 4
38
X = 38 4/7
38 4/7
REGLAS
TIEMPO
RECORRIDO HORARIO
RECORRIDO MINUTERO
60'
÷2
30°
×6
360°
30'
÷2
15°
×6
180°
X'
(X/2)°
(6X)°