UNIVERSIDAD DEL SURESTE LICENCIATURA EN MEDICINA HUMANA CAMPUS COMITAN DE DOMINGUEZ

Poniendo límites

Biomatematicas

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Grado y grupo: 2 A

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sea $f(x)$ una función que esta definido existe en todos los valores cercano a un valor "a" excepto en

$$\lim_{x \to 2} f(x) = L$$

1) $\lim_{x \to 2.5} x^2$

$\lim (2.5)^2 = 6.25$

2) $\lim (1.5)^2 = 2.25$

3) $\lim (3)^2 = 9$

4) ~~$\lim (1)^2 - 1 = 0$~~

$1 - 1$

$$\lim \frac{x^2 - 1}{} = \frac{(x+1)(x-1)}{(x-1)} (x+1$$

1) $Lim x^2 (6.6)^2 = 43.56$

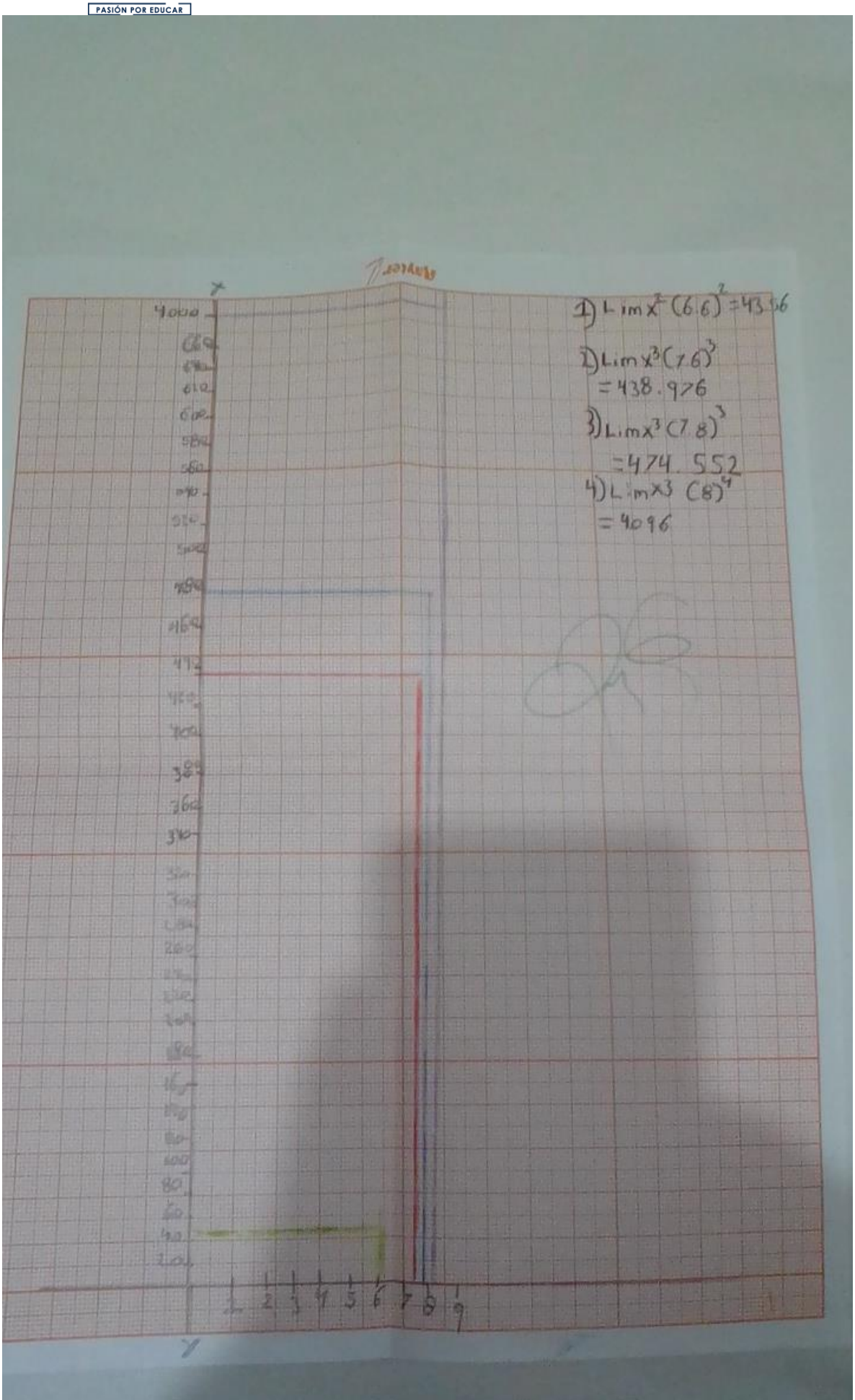
2) $Lim x^2 (7.6)^2 = 57.76$

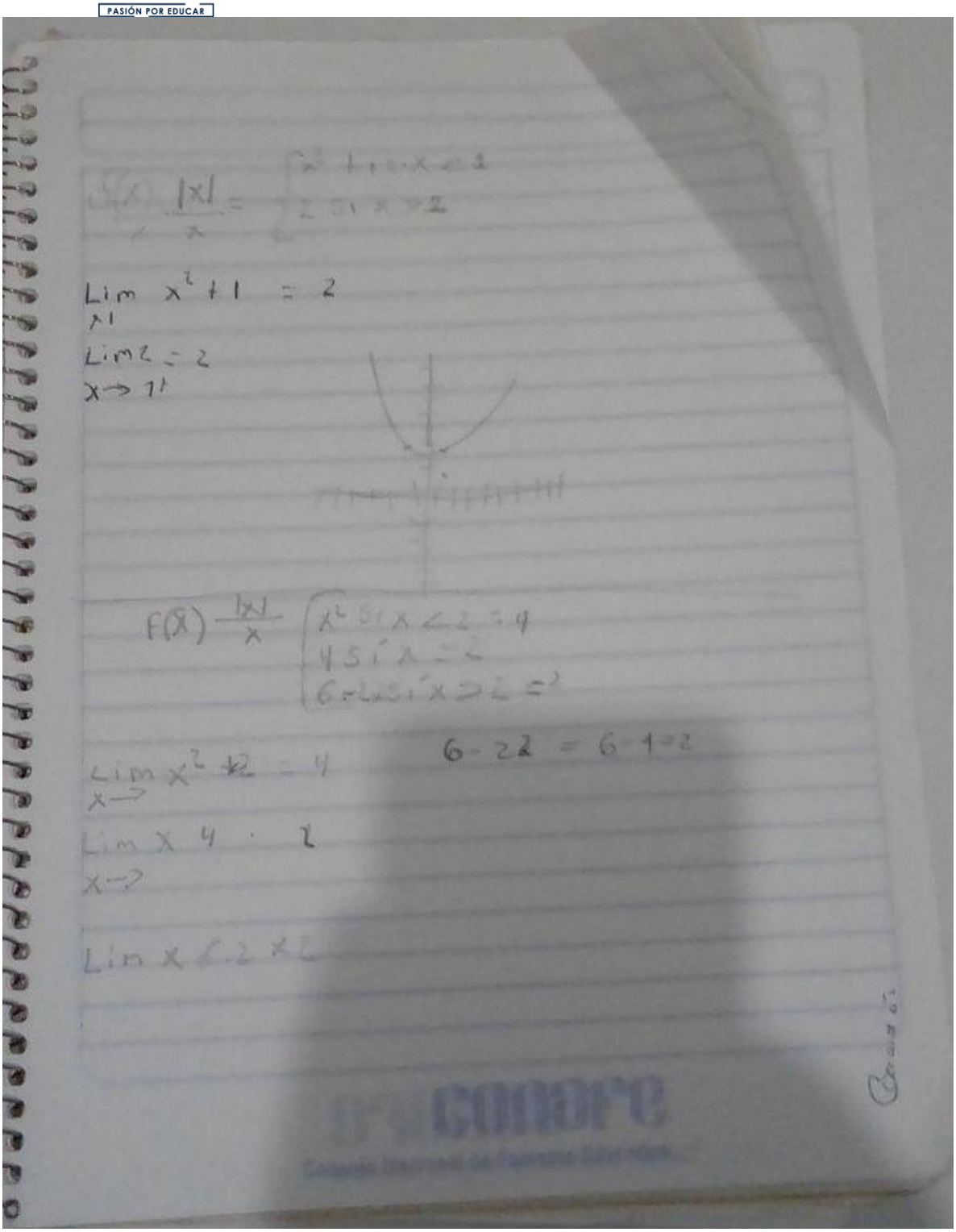
3) $Lim x^2 (7.8)^2 = 60.84$

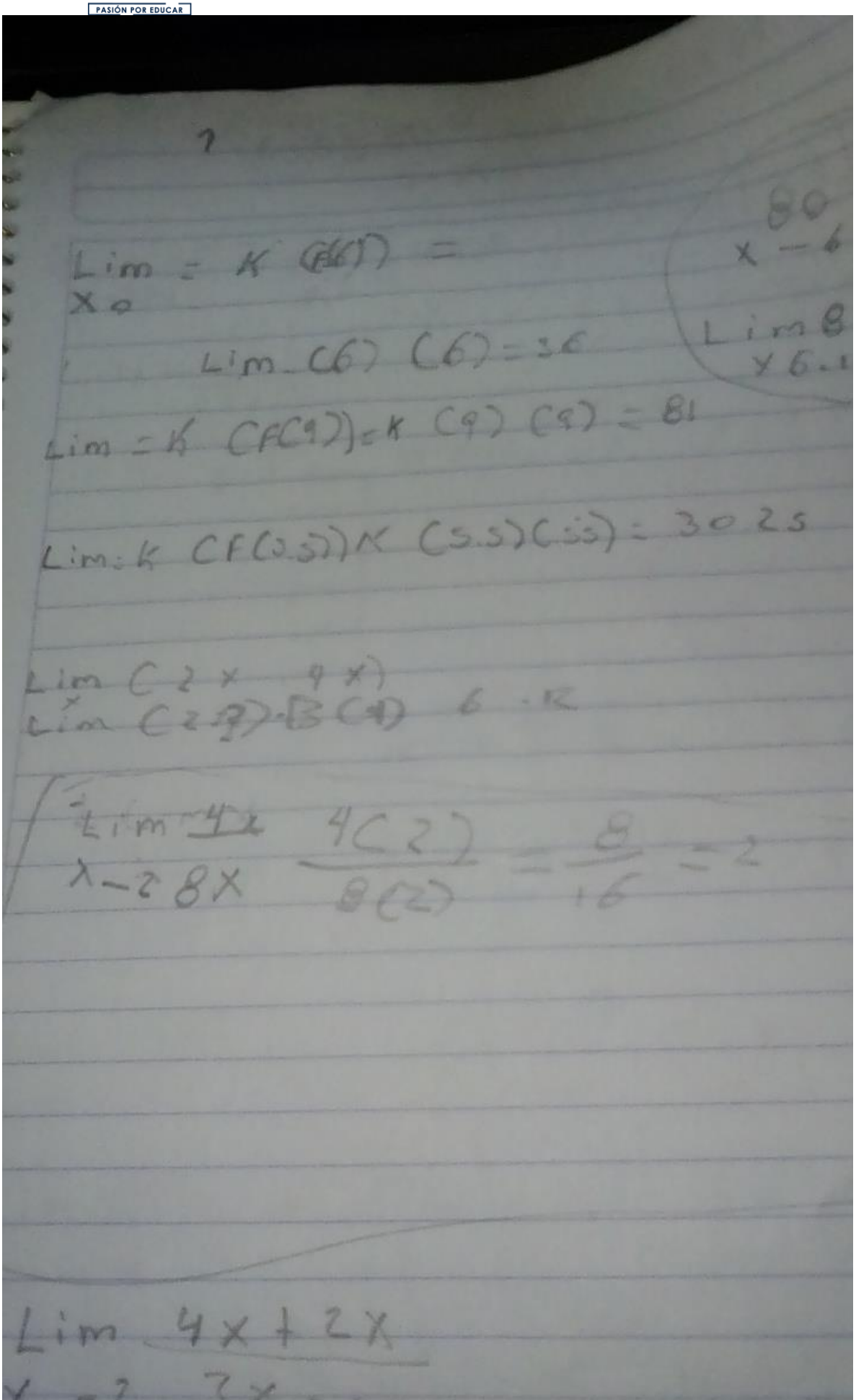
4) $Lim x^2 (8)^2 = 64$

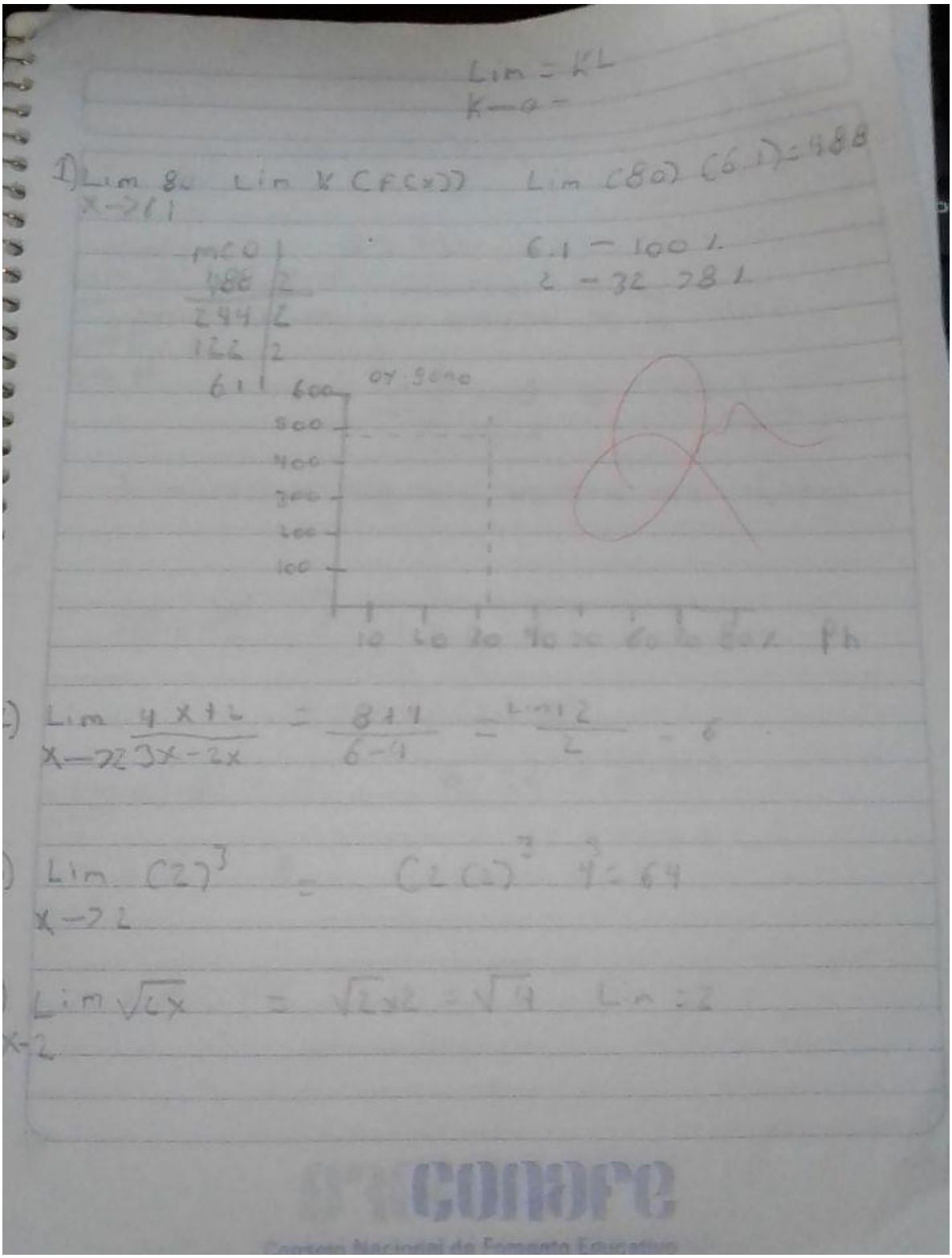
	4
4096	2
2048	2
1024	2
512	2
256	2
128	2
64	2

300
200
100
50


1) Limx² (6.6)² = 43.56
2) Limx³ (7.6)³
= 438.976
3) Limx³ (7.8)³
= 474.552
4) Limx³ (8)⁴
= 4096


Lim x² + 1 = 2
x→1
Lim 2 = 2
x→1
f(x) |x| / x
6 - 2·2 = 6 - 4 = 2
Lim x² + 2 = 4
x→
Lim x 4 · 2
x→
Lim x ∠ 2 x 2


7
Lim = K (F(6)) =
x a
Lim (6) (6) = 36
Lim = K (F(9)) = K (9) (9) = 81
Lim: K (F(0.5)) K (5.5)(.55) = 3025
Lim (2x 4x)
Lim (2 2) B (4) 6 K
Lim 4x 4(2) 8 = 2
x-2 8x 8(2) 16
Lim 4x + 2x
x 2 7x


Lim = KL
K→0
1) Lim 8L Lim K (F(x))
x→6.1
Lim (80) (6.1) = 488
6.1 — 100 %
2 — 32.78 %
mcd
488 | 2
244 | 2
122 | 2
61 | 1
600
500
400
300
200
100
10 20 30 40 50 60 70 80 x fh
2) Lim 4x+2 / 3x-2x = 8+1 / 6-1 = 9+2 / 5 = 6
x→2
3) Lim (2)³ = (2(2))³ = 4³ = 64
x→2
4) Lim √(2x) = √(2x2) = √4 Lim = 2
x→2