



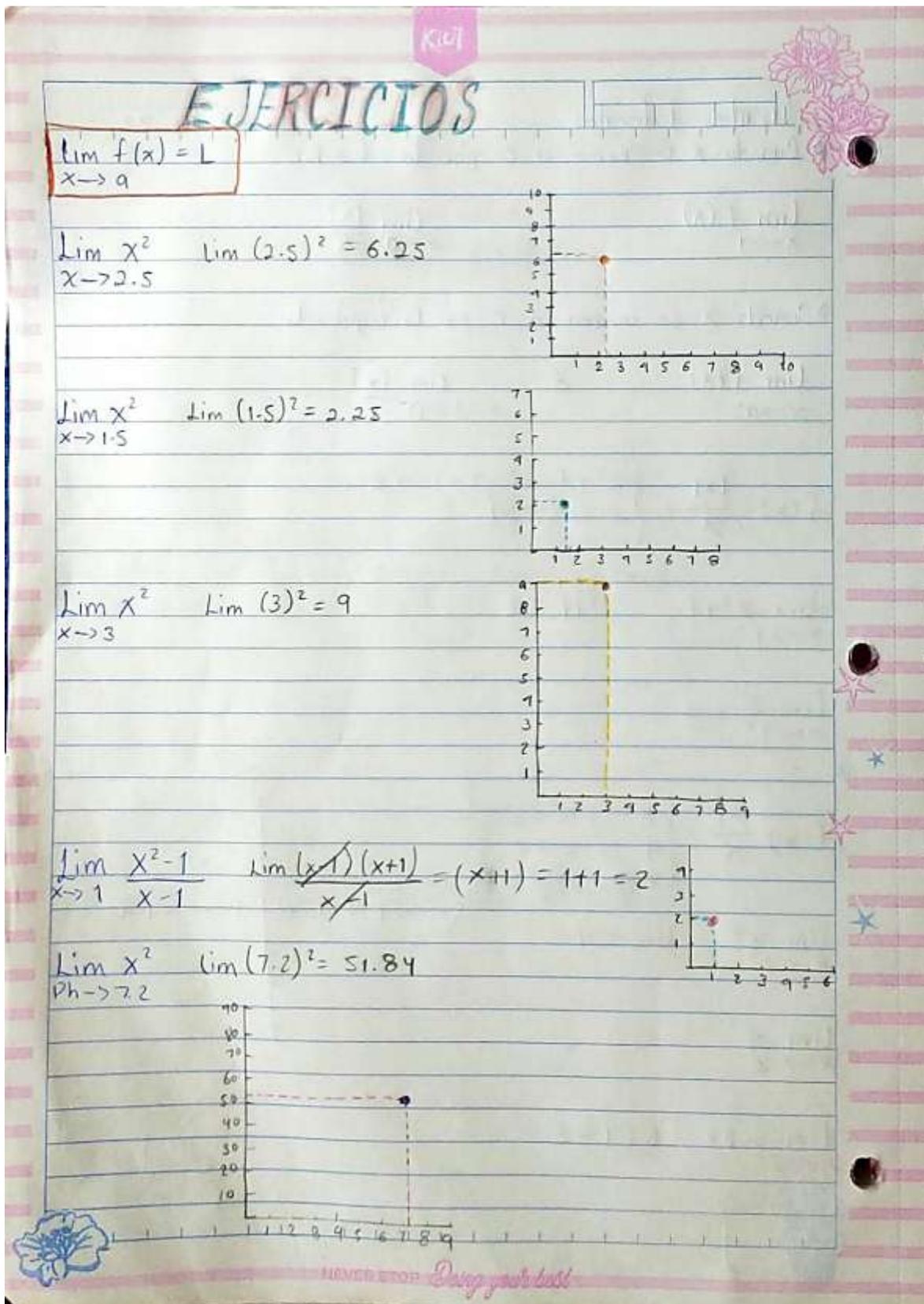
**Alumna: Fátima del Rocío Salazar
Gómez**

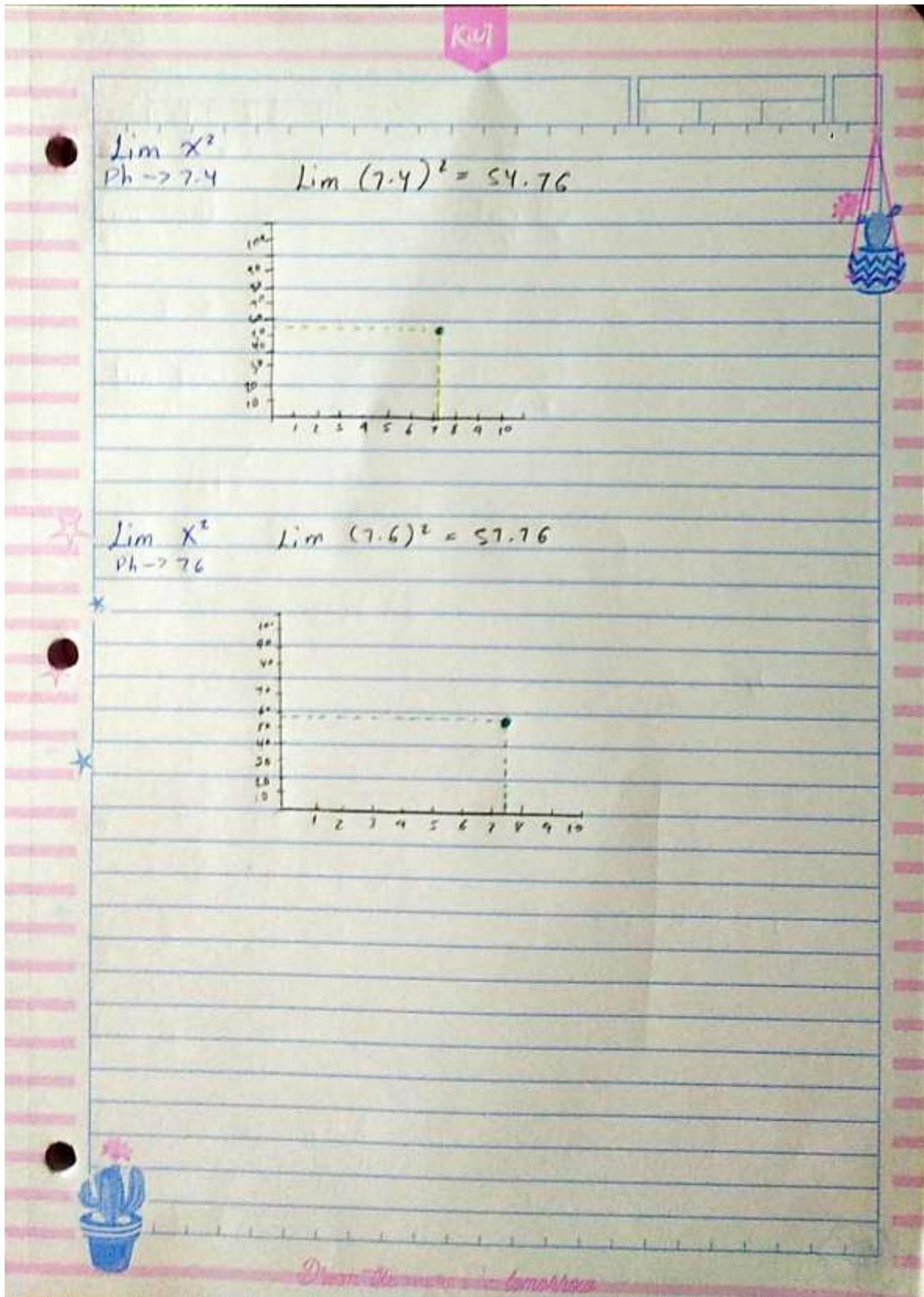
**Catedrático: Dra. Rosvani Margine
Morales**

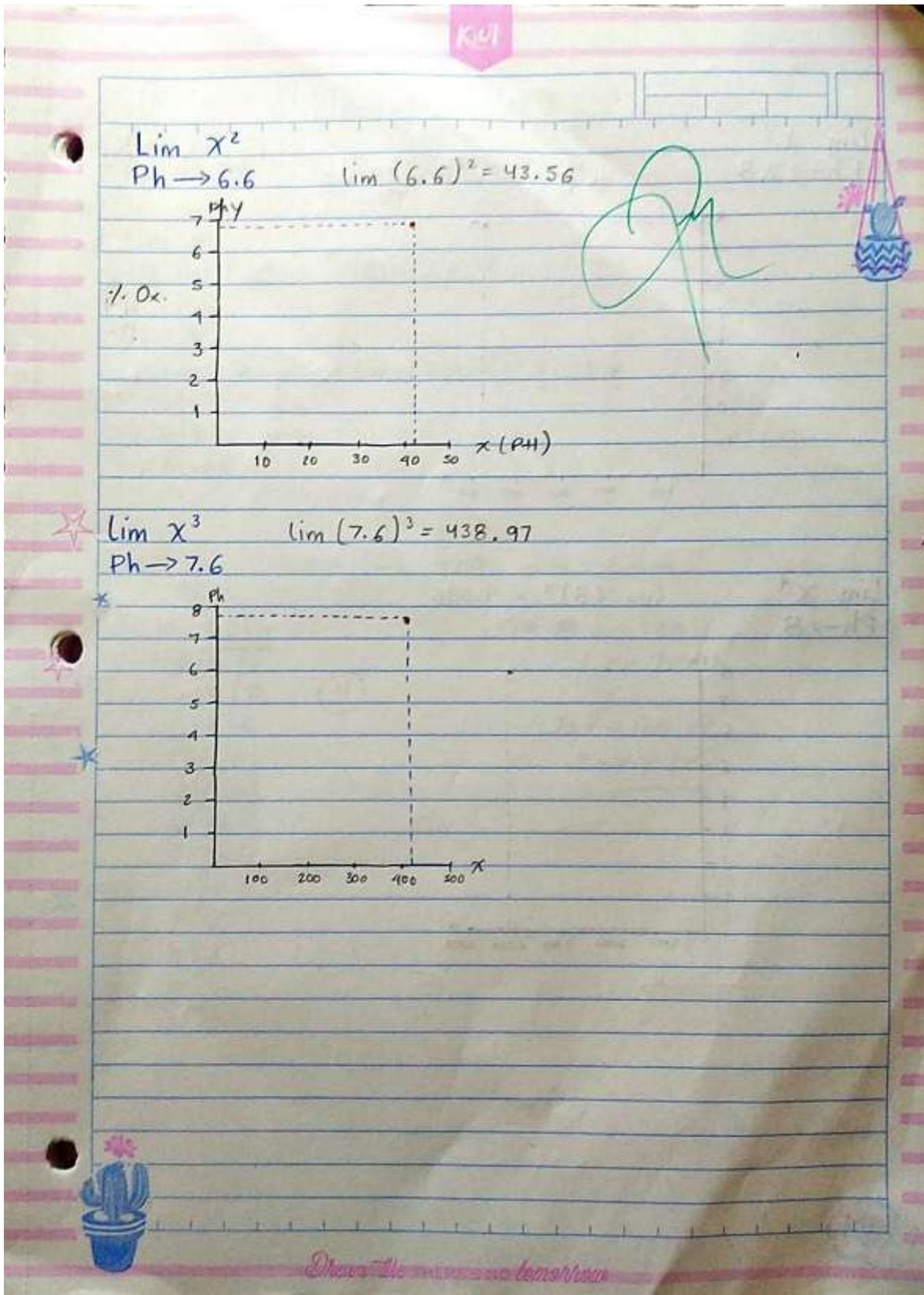
Ejercicio de Límites

Biomatemáticas

2° "A"





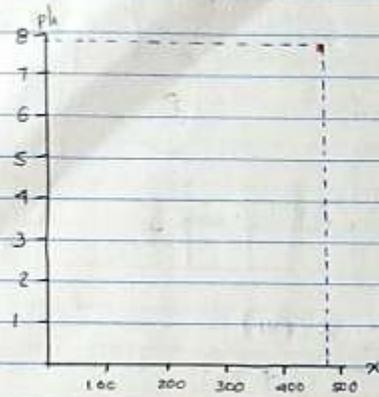


Kol

$$\lim_{Ph \rightarrow 7.8} x^3$$

$$Ph \rightarrow 7.8$$

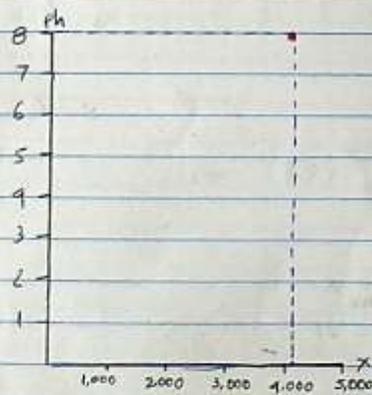
$$\lim (7.8)^3 = 474.55$$



$$\lim_{Ph \rightarrow 8} x^4$$

$$Ph \rightarrow 8$$

$$\lim (8)^4 = 4,096$$



NEVER STOP *Doing your best*

Kul

- 1) $\lim_{Ph \rightarrow 6.6} x^2$ $\lim (6.6)^2 = 43.56$
- 2) $\lim_{Ph \rightarrow 7.6} x^2$ $\lim (7.6)^2 = 57.76$
- 3) $\lim_{Ph \rightarrow 7.8} x^2$ $\lim (7.8)^2 = 60.84$
- 4) $\lim_{Ph \rightarrow 8} x^2$ $\lim (8)^2 = 64$

m.c.d. $4,096 \rightarrow 4,096 \div 4 = 1,024$

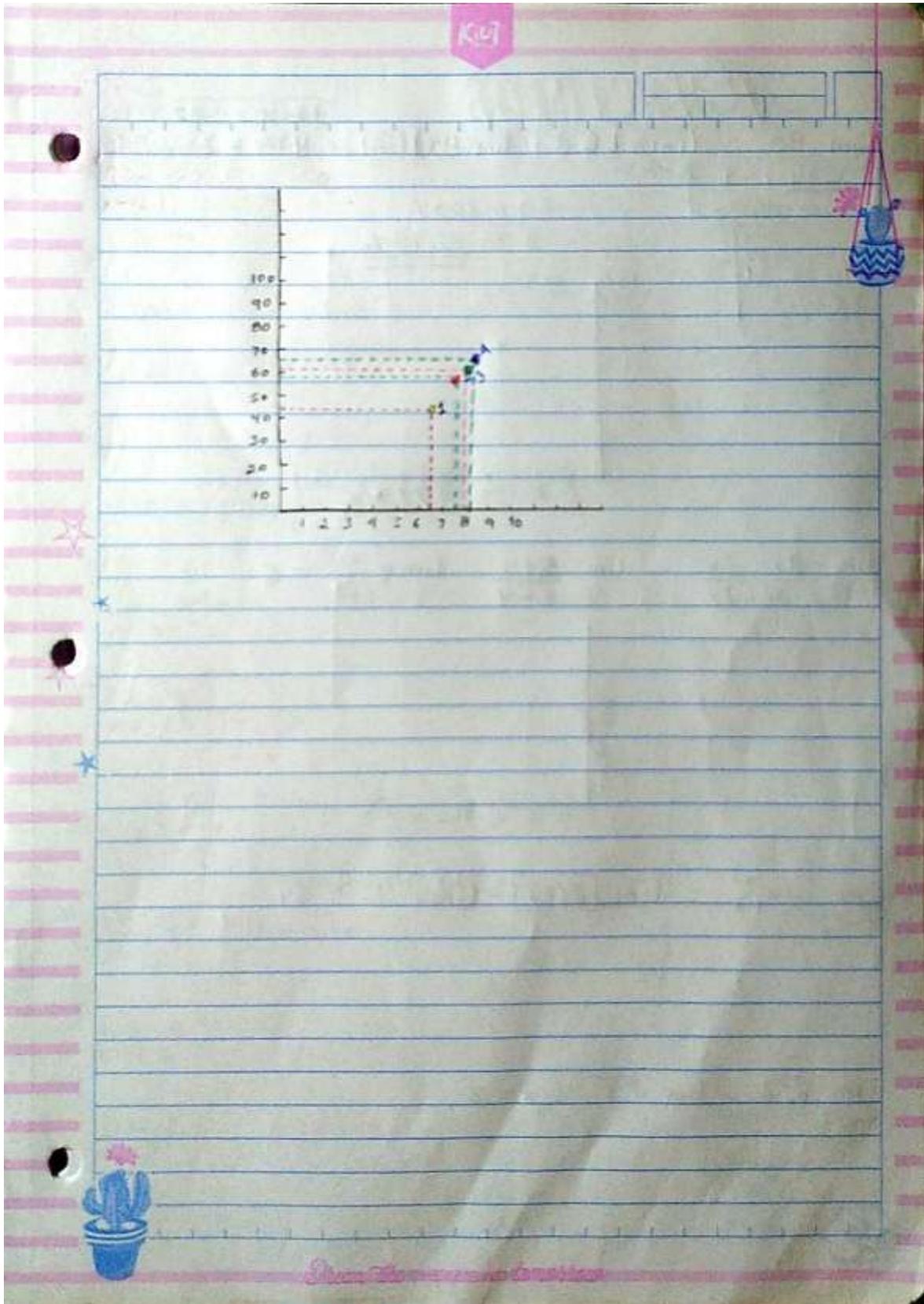
4.096 | 2
 2048 | 2
 1,024 | 2
 512 | 2
 256 | 2
 128 | 2
 64 | 2
 32 | 2
 16 | 2
 8 | 2
 4 | 2
 2

(2)

Ph $\rightarrow 8 \rightarrow 100\%$
 4 $\rightarrow 50\%$
 8 $\rightarrow 100\%$
 2 $\rightarrow 25\%$



Don't be sad tomorrow

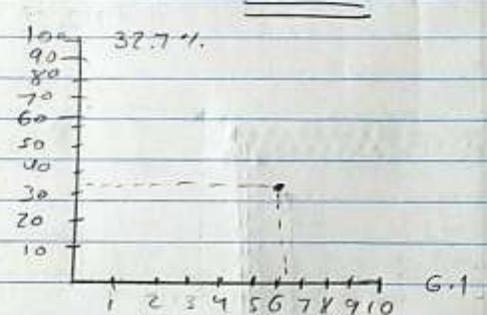


15 02 22

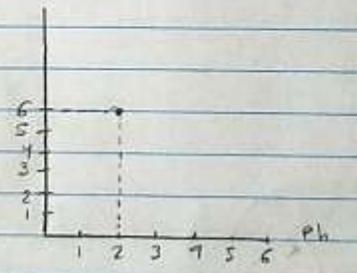
KUL

$\lim_{x \rightarrow 6.1} 80$ $\lim = KL$ $\lim(80)(6.1) = 488 = 2$
 $x \rightarrow a$ $x \rightarrow a$

mcd $\begin{array}{r|l} 488 & 2 \\ \hline 244 & 2 \\ 122 & 2 \\ 61 & \end{array}$ $6.1 - 100\%$
 $2 - 32.78\%$



$\lim_{x \rightarrow 2} \frac{4x+2x}{3x-2x}$ $\lim \frac{8+4}{6-4}$ $\lim = \frac{12}{2} = 6$



$\lim_{x \rightarrow 2} [2x]^3$ $\lim [2(2)]^3 = \lim = 4^3 = 64$

$\lim_{x \rightarrow 2} \sqrt{2x}$ $\lim \sqrt{4}$ $\lim = 2$

NEVER STOP *Doing your best*

Kit

$\lim_{x \rightarrow a} KL$

1) $\lim_{x \rightarrow 6} 6 \quad \lim (6)(6) = 36$

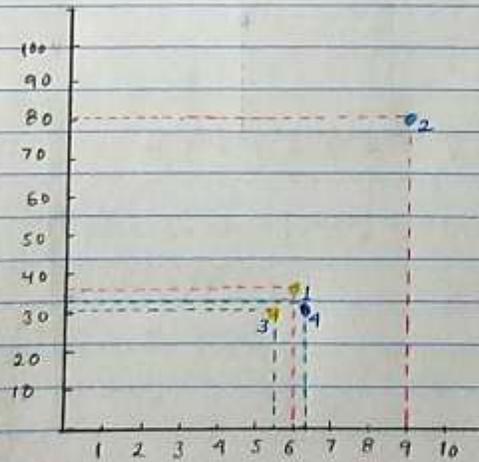
2) $\lim_{x \rightarrow 9} 9 \quad \lim (9)(9) = 81$

3) $\lim_{x \rightarrow 5.5} 5.5 \quad \lim (5.5)(5.5) = 30.25$

4) $\lim_{x \rightarrow 6.1} 80 \quad \lim (80)(6.1) = 488$

488	2	m.c.d 2
244	2	
122	2	
61		

6.1 → 100%
2 → 32.78%



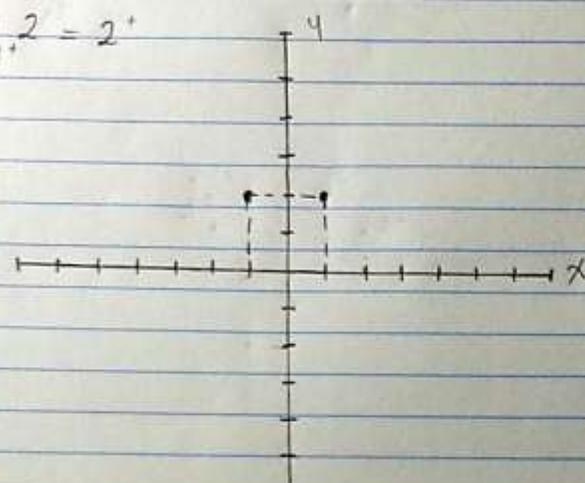
NEVER STOP *Doing your best*

KUT

$$f(x) = \frac{|x|}{x} \begin{cases} x^2 + 1 & \text{si } x < 1 \\ 2 & \text{si } x > 1 \end{cases}$$

$\lim_{x \rightarrow 1^-} x^2 + 1 = (1)^2 + 1 = 2^-$

$\lim_{x \rightarrow 1^+} 2 = 2^+$

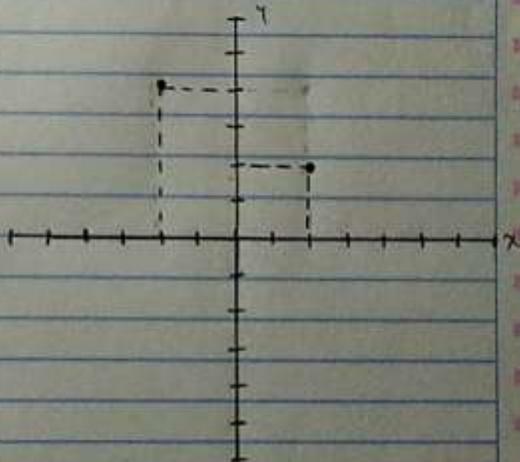


$* f(x) = \frac{|x|}{x} = \begin{cases} x^2 & \text{si } x < 2 \\ 1 & \text{si } x = 2 \\ 6 - 2x & \text{si } x > 2 \end{cases}$

$\lim_{x \rightarrow 2^-} x^2 = \lim 2^2 = 4$

$\lim_{x \rightarrow 2} 1$

$\lim_{x \rightarrow 2^+} 6 - 2x = \lim 6 - 4 = 2$



Diana de Matemáticas