$$=-2(\chi^2+2\chi+6)$$

$$x^{2} + 2x + 6 = (x + 1)^{2} - 1 + 6$$

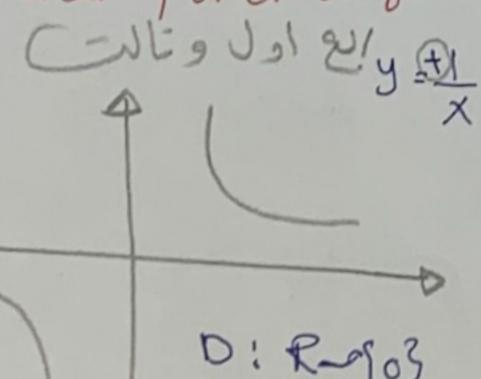
$$y = (x+1)^2 + s$$

$$y - S = (x + 1)^2$$

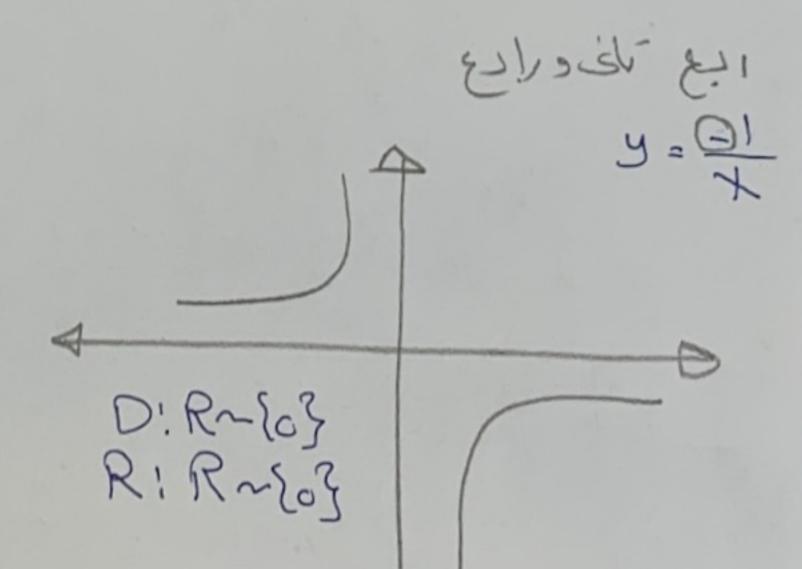
$$[y=5]$$
  $x_{x=-1}$ 

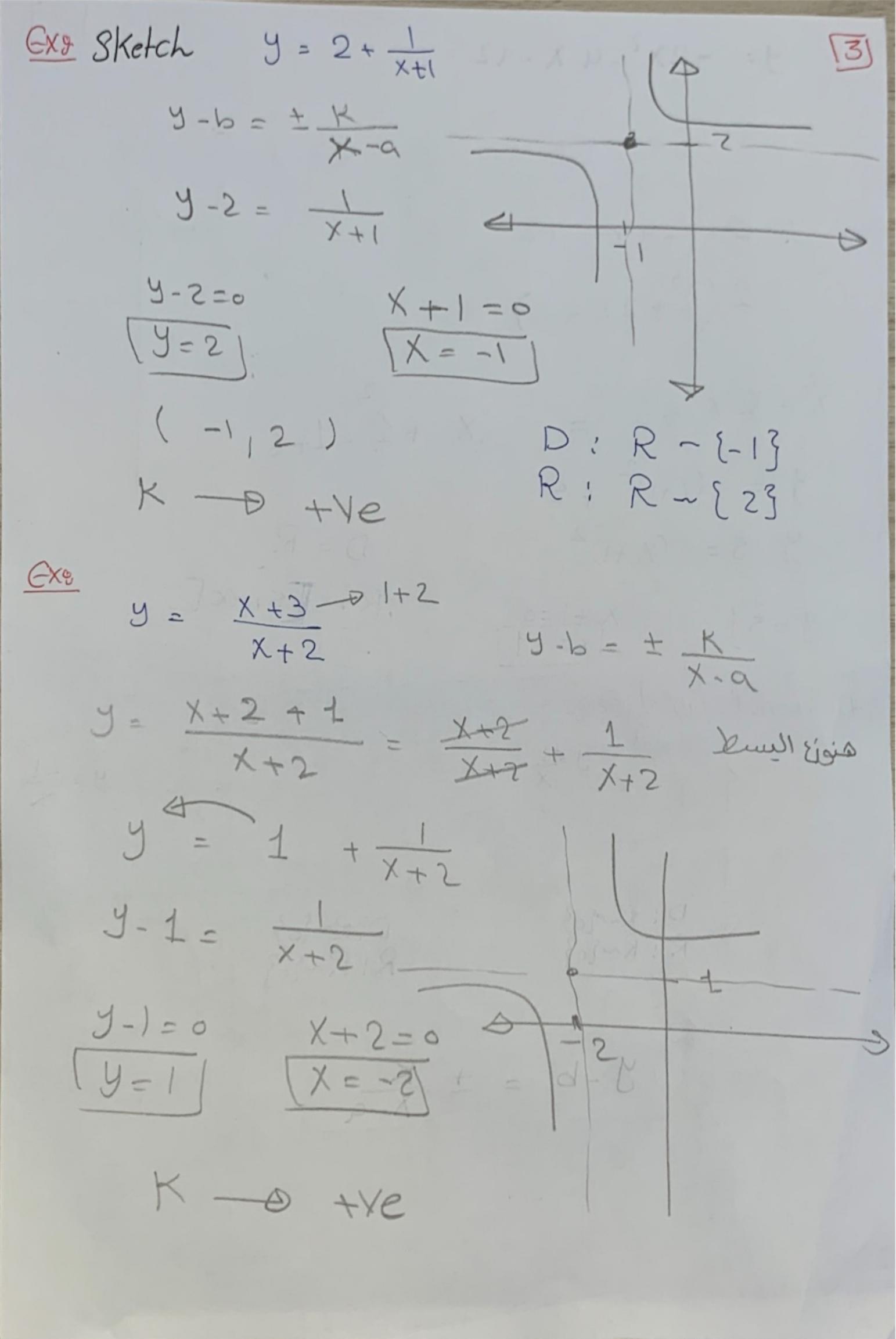
$$(x + 1)^{2} - 1 + 6$$

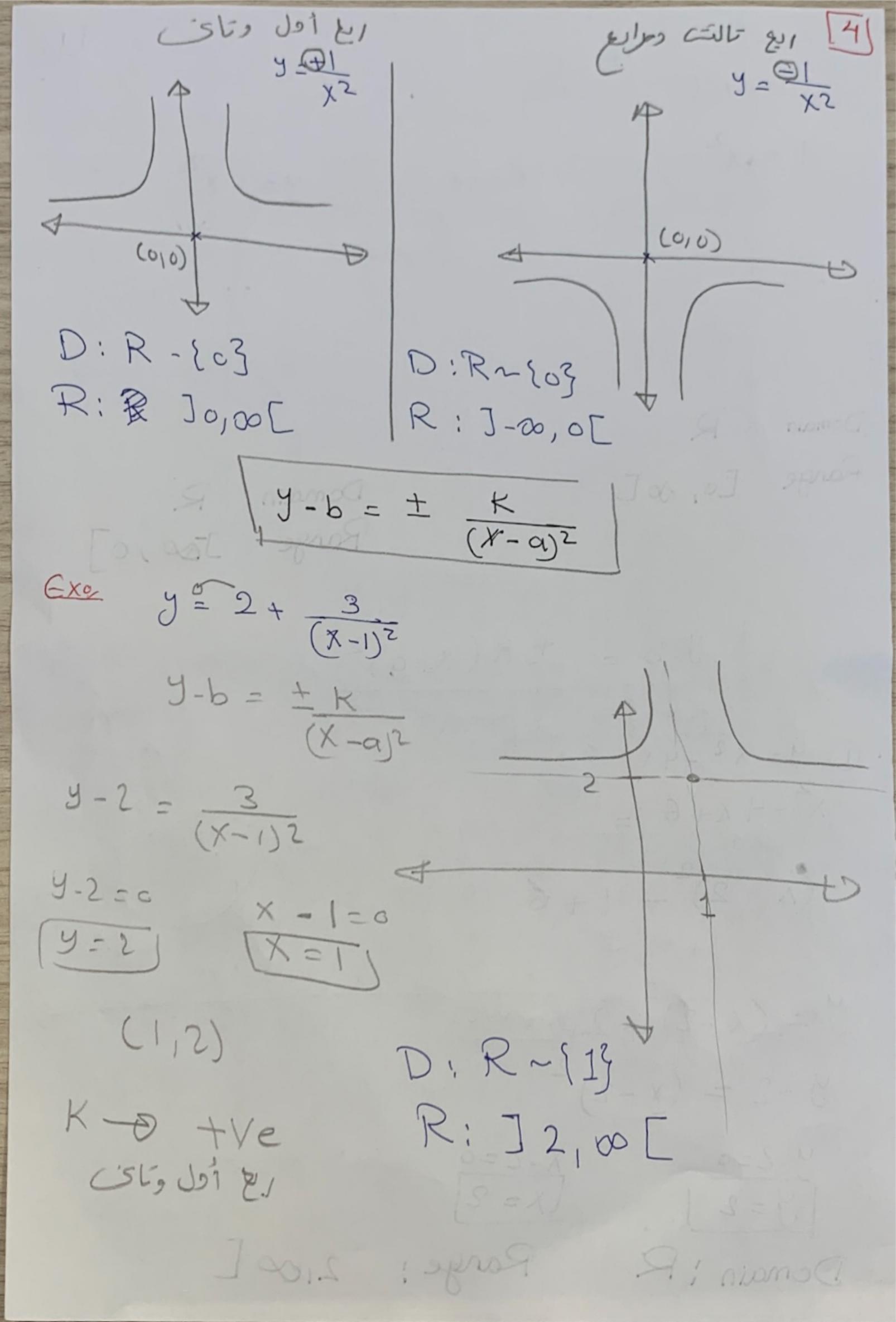
Rotional Functions



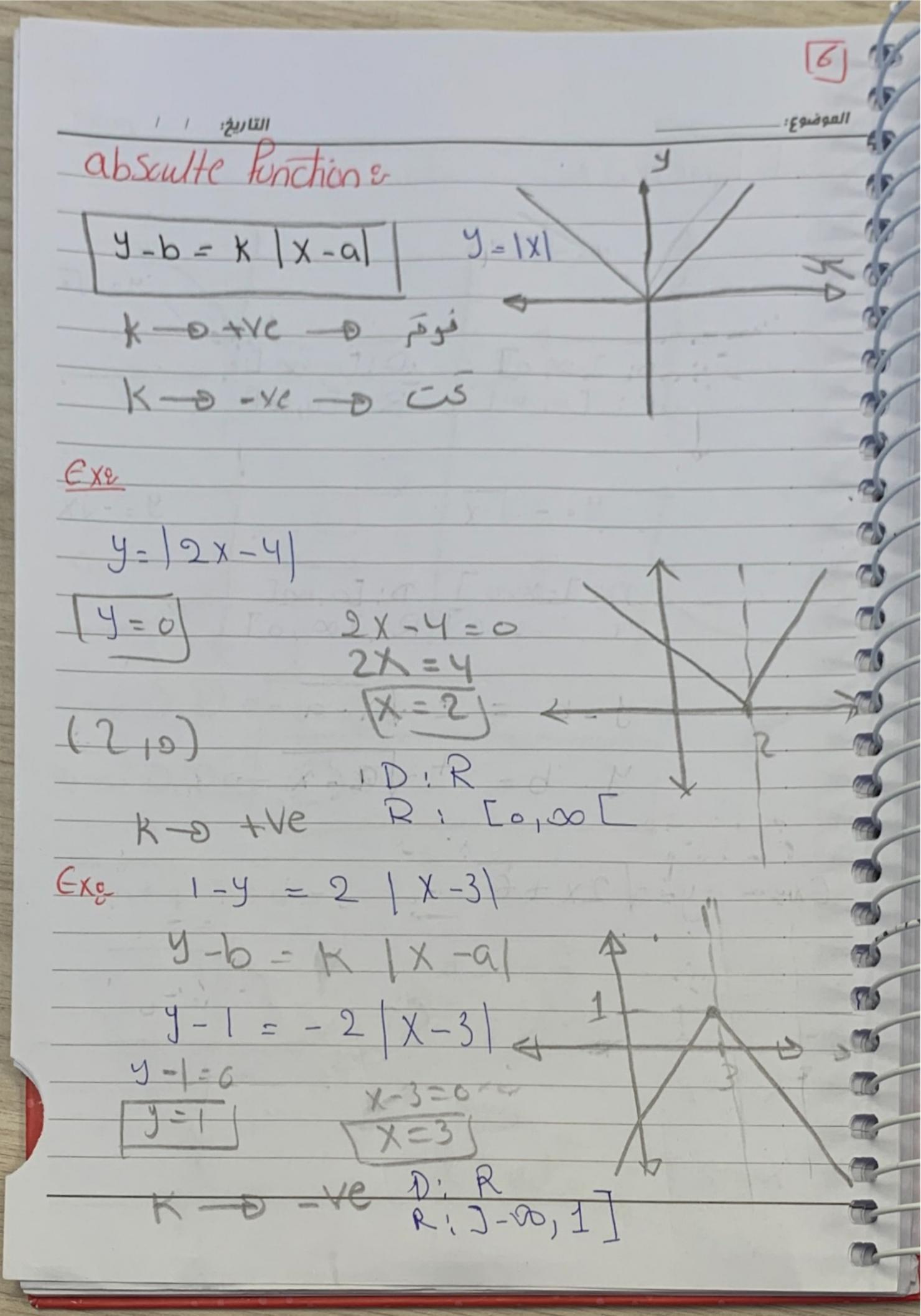
D: R-203

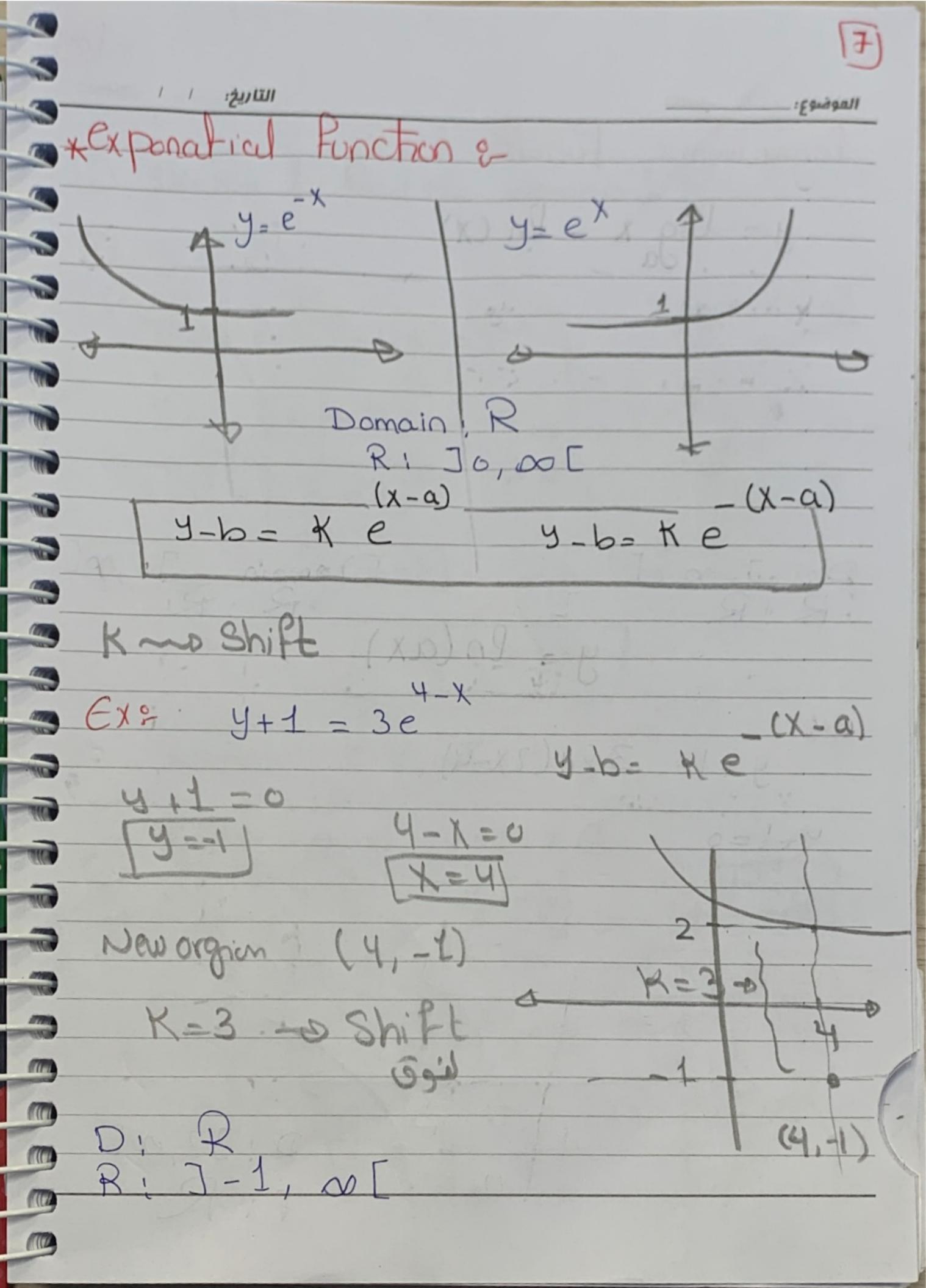






التاريخ: الموضوع: function 2 4= 1-X y= Tx D: J-0, 01 D: Co, Do [ dr: [0,00[ R: [0,00[ D: ]-00,0] D: [0,00[ r. J-20,0] R. J.00,0] 4= 12x+6 Exa 4=0





الموضوع: التاريخ: ١ ١ logarithinic Function log x = ln (x) Jo,001 omain J-00,0L en (ax) Exq. 3 ln (2x-4) cuts = 2,5 : 32,001 17d )

Sketch & Find the domain & Range.

1)  $y = x^2 + 4x$   $y - b = \frac{1}{2} \times (x - a)^2$   $y = (x + 2)^2 - \frac{1}{4} \times (x + 2)^2$   $y + 4 = (x + 2)^2$ 

(-5'-A) K-0+N6

Domain R Range: [-4,00[

 $y = 6x - 10 - x^{2} = -x^{2} + 6x - 10$ 

9=-(x+3)-9=+0=1

9+1=-(X-3)2 1+

[9=1] [X=3]

