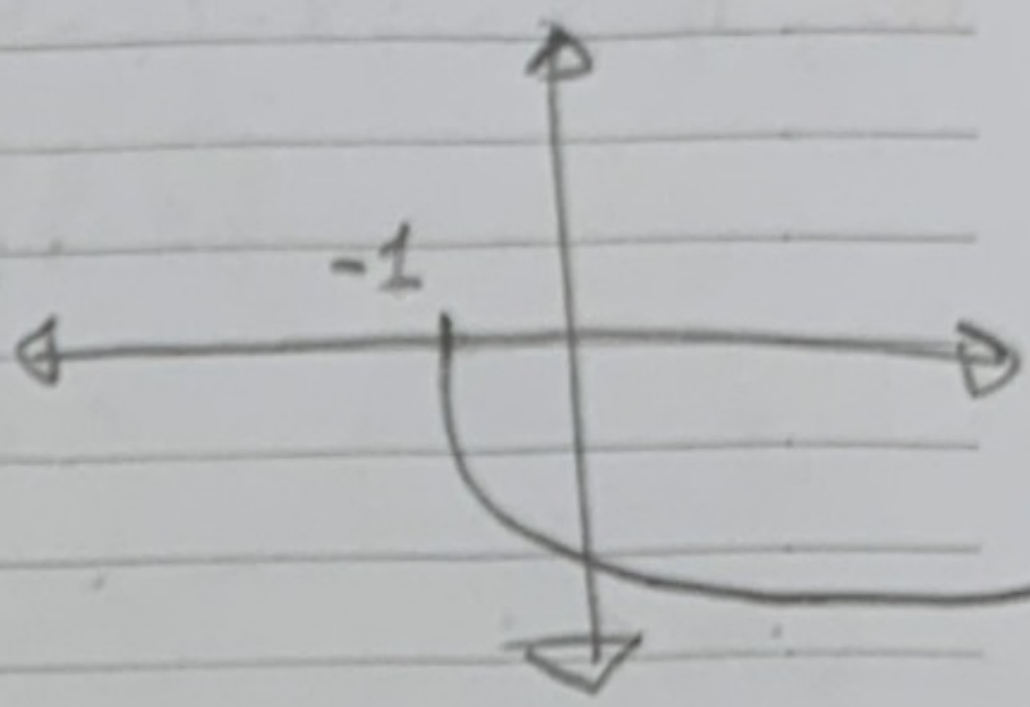
الموضوع: _____ التاريخ: / /

c | ① $y = -2\sqrt{x+1}$

$y - b = \pm\sqrt{x-a}$

$y = 0$ $x = -1$



$x \rightarrow +ve$ يمين

equation $\rightarrow -ve$ شمال

D : $[-1, \infty[$

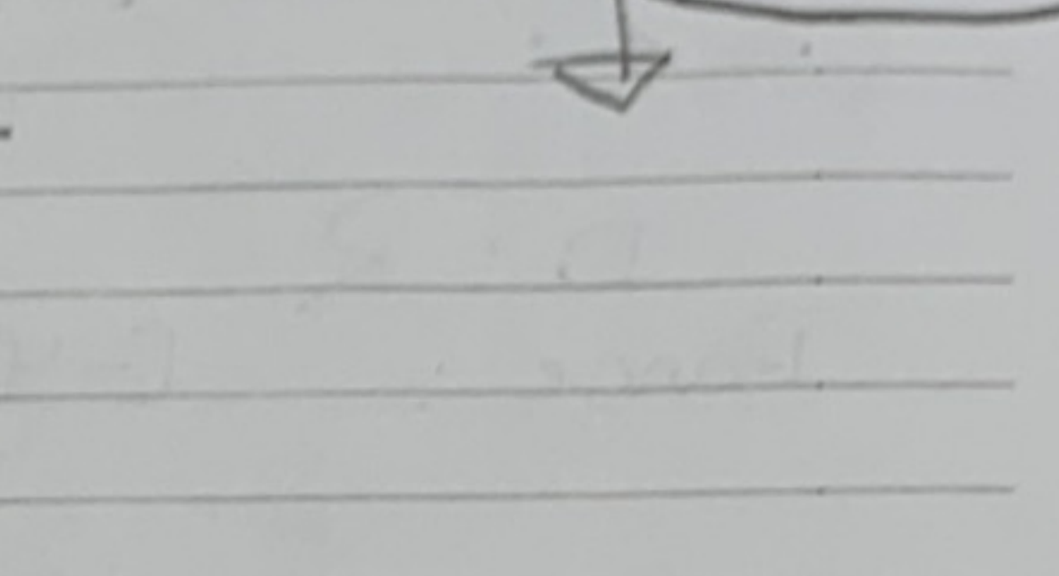
R : $]-\infty, 0]$

② $y = 2\sqrt{x+2} - 3$

$y - b = \pm\sqrt{x-a}$

$y + 3 = 2\sqrt{x+2}$

$y = -3$ $x = -2$



$x \rightarrow +ve$ يمين

$eq \rightarrow +ve$ فوق

D : $[-2, \infty[$

Range : $[-3, \infty[$

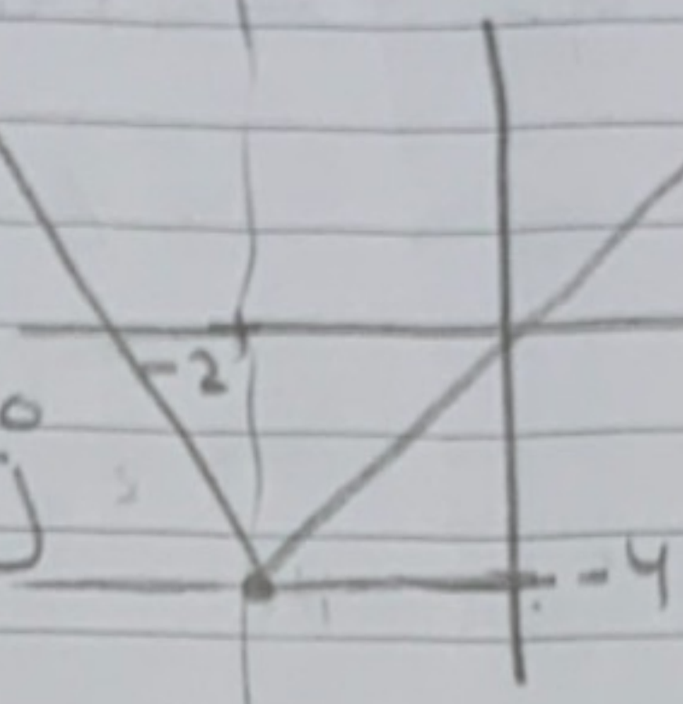
الموضوع: _____ التاريخ: / /

[D] 1) $y = |x-2| - 4$

$y + 4 = |x-2|$

$\boxed{y = -4}$ $\quad x - 2 = 0$

$(2, -4)$ $\quad \boxed{x = 2}$



D : R

Range : $[-4, \infty[$

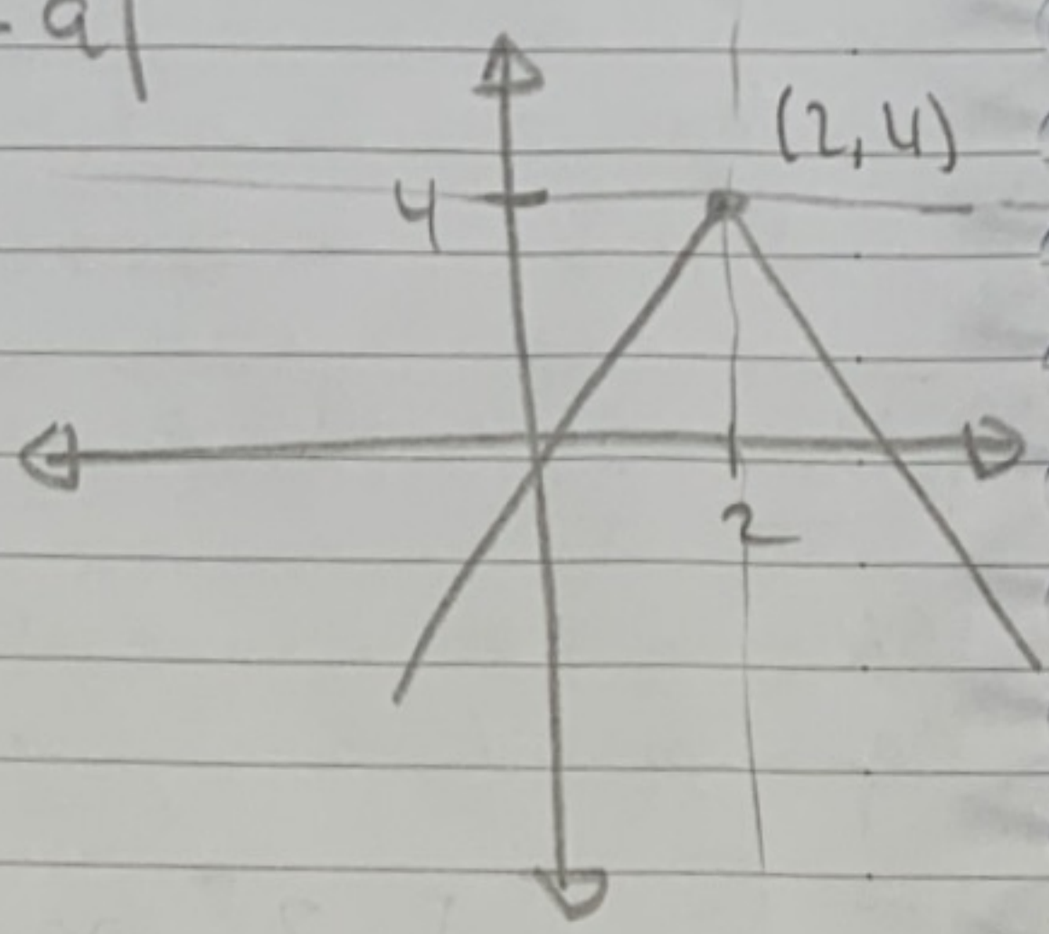
2) $y = -|x-2| + 4$

$y - b = k|x-a|$

$y - 4 = -|x-2|$

$\boxed{y = 4}$ $\quad \boxed{x = 2}$

K — ⊖ — ve



التاريخ: / /

الموضوع: _____

Sheet (3)

✳ Sketch & find doman & Range:-

① $y - 1 = e^{2+x}$

$y - b = k\, e^{(x-a)}$

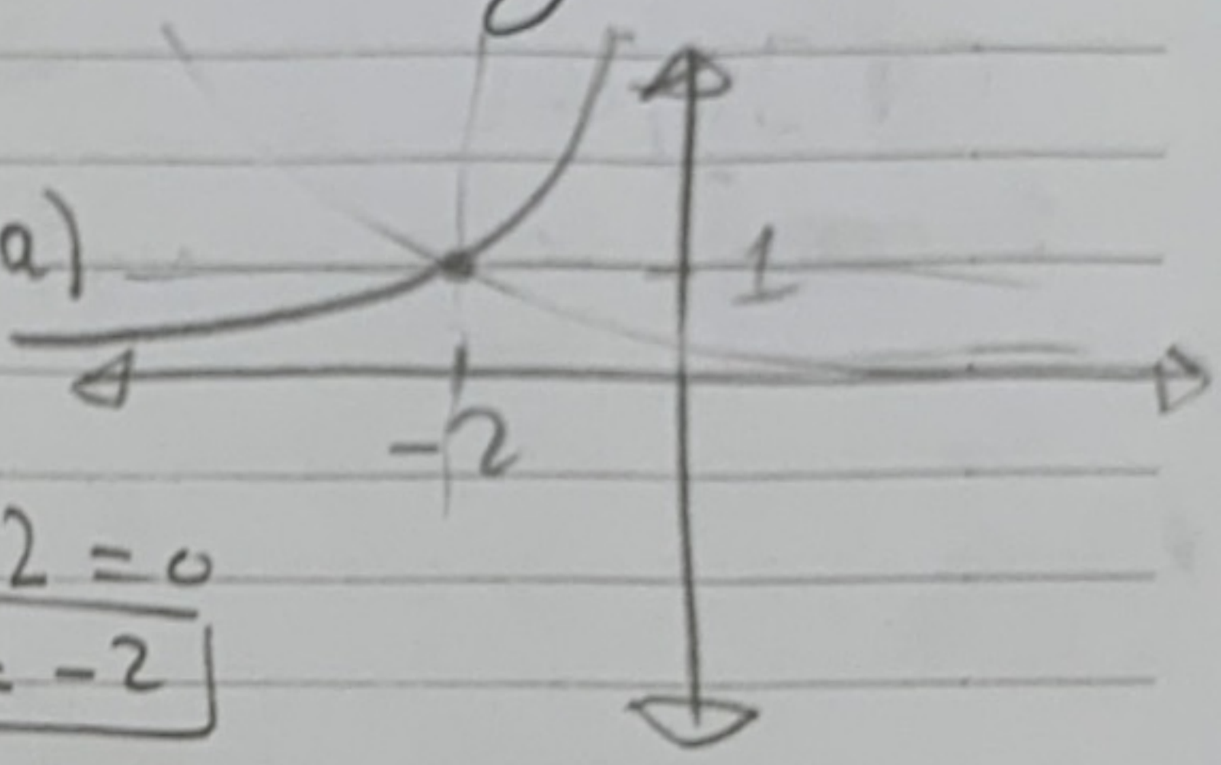
$\boxed{y = 1}$

$K = 0$

$(-2, 1)$

$x + 2 = 0$

$\boxed{x = -2}$



Domain: R

Range: $[-2, \infty[$

② $y = 4 + 2e^{x+1}$

$y - b = k\, e^{(x-a)}$

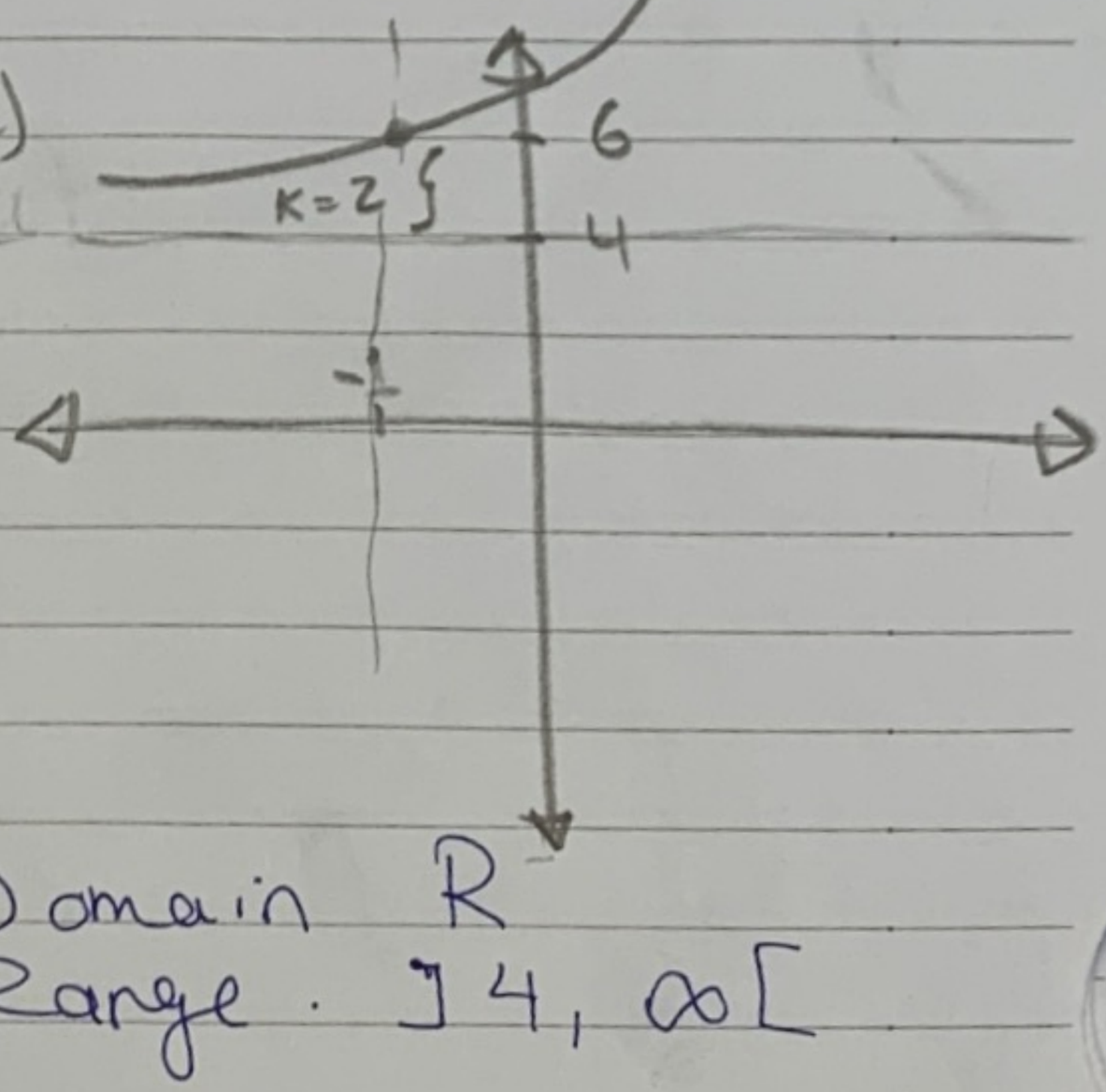
$y - 4 = 2e^{x+1}$

$\boxed{y = 4}$

$(-1, 4)$

$\boxed{K = 2}$

$\boxed{x = -1}$



Domain R

Range: $]4, \infty[$

التاريخ: / /

الموضوع:

$y = 4^x$

base ≠ 1

D : R

r :]0, ∞[

لازم يكونه base أكبر من 1