

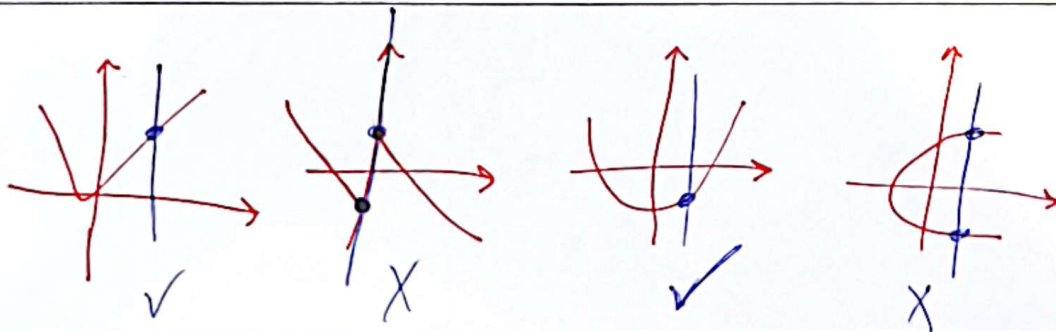
$$\left. \begin{aligned} 2x + y = 4 \\ x + 2y = -2 \end{aligned} \right\} \Rightarrow Vx = 1 \Rightarrow x = 2 \Rightarrow y = -2 \Rightarrow \frac{x}{y} = \boxed{\frac{-2}{2}}$$

$$\left. \begin{aligned} \frac{1}{x} - \frac{1}{y} = -1 \\ \frac{2}{x} - \frac{1}{y} = -2 \end{aligned} \right\} \Rightarrow \left. \begin{aligned} xy = y - x \\ -2y + Vx = 2xy \end{aligned} \right\} \Rightarrow y = 2x \Rightarrow \frac{x}{y} = \boxed{\frac{1}{2}}$$

$$\left. \begin{aligned} 2a + 2b = 2a + 2 \Rightarrow b = \frac{a+2}{2} \\ (1, a+1), (1, -2) \Rightarrow a+1 = -2 \Rightarrow a = -3 \end{aligned} \right\} \Rightarrow \boxed{b=0}$$

$$m^2 - 3m = -2 \Rightarrow m^2 - 3m + 2 = 0 \Rightarrow m \begin{cases} 1 \Rightarrow \sum_{m+1} = \Delta \checkmark \} X \\ 2 \Rightarrow 9 = \Delta X \\ 3 \Rightarrow 9 = \Delta X \end{cases}$$

اینجا هیچ مقادیر



$$y = -\sqrt{x+1}$$

$$x = \frac{y}{\sqrt{1-y^2}} \Rightarrow \frac{y_1}{\sqrt{1-y_1^2}} = \frac{y_2}{\sqrt{1-y_2^2}} \Rightarrow \frac{y_1^2}{1-y_1^2} = \frac{y_2^2}{1-y_2^2} \Rightarrow y_1^2 - y_1^2 y_2^2 = y_2^2 - y_1^2 y_2^2$$

$\Rightarrow y_1^2 = y_2^2 \checkmark$   
چون  $y_1$  و  $y_2$  علامتند

