

دم رفاة A

حلنا كمرى

بالحسابه تطبيق سحابه 27

$$\left. \begin{aligned} \text{الف, } 3x - y &= 9 \\ (x + 2y = -4) / x - 2 &= -3x - 4y = 12 \end{aligned} \right\} \rightarrow -5y = 21 \Rightarrow y = -\frac{21}{5} \text{ و } x = \frac{12}{5} \rightarrow \frac{x}{y} = \frac{2}{3} \quad 11$$

$$\text{ب) } \frac{1}{x} - \frac{1}{y} = -1 \Rightarrow \frac{a}{x} - \frac{v}{y} = -3 \Rightarrow y = -1, x = \frac{1}{4} \Rightarrow \frac{x}{y} = \frac{-\frac{1}{4}}{-1} = \frac{1}{4} \quad 12$$

$$a + 1 = -2 \rightarrow a = -3 \rightarrow (-3, -4) (1, -2) (2, b) \rightarrow -4 + 2b = -3 \rightarrow b = \frac{1}{2} \quad 13$$

$$m^2 - 3m + 2 = 0 \quad (m-2)(m-1) = 0 \quad m=1 \rightarrow (-1, -2) (3, a) (-1, -2) (2, 4) (2, 4) (3, a) \times 13$$

ب) (2) جميع مقادير m تابع غير صحيح

$$m=2 \rightarrow (-1, -2) (3, a) (-1, -2) (3, 4) (2, 4) (4, 9) \times$$



$$\text{الف) } x = \frac{y}{\sqrt{1-y^2}} \Rightarrow x \sqrt{1-y^2} = y \rightarrow x^2(1-y^2) = y^2 \Rightarrow \frac{x^2}{y^2} = \frac{1}{1-y^2} \Rightarrow y = \pm x \sqrt{1-y^2} \quad 14$$

$$\text{الف) } |y| = x \rightarrow y = \pm x \quad \text{ب) } y^2 + 3y^2 + 3y = -2^3 - 2 \Rightarrow 4y^2 + 3y = -10 \Rightarrow (y+1)^2 - 1 = -2^3 - 2 \Rightarrow (y+1)^2 = -2^3 - 2 + 1 \Rightarrow y = \sqrt{-2^3 - 2 + 1} = 1 \quad \text{جواب} \quad 15$$

$$\frac{(\sqrt{x}-2)^2 + f(\sqrt{x}-2) + a}{(\sqrt{x}-2)^2 + f(\sqrt{x}-2) + v} = \frac{f}{4} = \frac{2}{3} \quad 16$$

$$\text{ب) } y = 3x - a \rightarrow -f = (3-1) - a = -1 \rightarrow a = 1 \quad 17$$

$$\left. \begin{aligned} f(-1) = 3(-1) - a = -3 - 1 = -4 \\ f(-1) = (-1)^2 + (-1) + b \rightarrow b = -2 \end{aligned} \right\} 2^3 + 2 - 2 = 3x - 1 \Rightarrow 2^3 - 2x - 1 = 0$$

$$2^3 - 2x - 1 = (x+1)(x^2 - 2x - 1) = 0 \rightarrow \frac{1+\sqrt{5}}{2} + \frac{1-\sqrt{5}}{2} = \frac{1+1}{2} = 1 \quad 18$$

$$a+b = 2a = a - 2b + 1 \rightarrow a+b = 2a \rightarrow a=b \quad a+b = a - 2b + 1 \rightarrow b-a = \frac{1}{3} \quad 19$$

$$\text{جواب} = f(a) \rightarrow \frac{f n^2 - a n + c + 1}{b n + 2} = 2 \quad f n^2 + a n + c + 1 = b n^2 + 3n \Rightarrow b=f, a=-3 \quad 20$$

$$c+1=0 \Rightarrow c=-1$$

$$\Rightarrow a+b+c = 3-3-1 = 0$$