

الف) $\begin{cases} x^2 + y^2 = 9 \\ x + y = -4 \end{cases} \rightarrow x = 2, y = -2 \rightarrow \frac{x}{y} = \frac{2}{-2} = -1$ (1)

ب) $\frac{x^2 y - 2x}{xy} = \frac{\delta y - 2x}{xy} \rightarrow y = 2x \rightarrow \frac{x}{y} = \frac{1}{2}$

f(a) = $x^2 a + x^2 - 2b \rightarrow -2 = 4 - 2b \rightarrow b = 3$ (2)

$m^2 + 2m + 2 = 0 \rightarrow m = 1, m = -2 \Rightarrow m = 2$ (3)

$(m+1, 4) (2, 2) \rightarrow m = 1 \times$

الف) شيت ← باخطه در جهت شيت (ب) تابع (ج) شيت
(د) تابع شيت

الف) $-\sqrt{y+1} = -\sqrt{y+1} \Rightarrow y_1 = y_2 \Rightarrow$ تابع شيت (د)

ب) $x=1 \rightarrow y = \sqrt{1-y^2} \rightarrow 4y^4 = 1 \rightarrow y = \pm \frac{1}{2} \rightarrow$ تابع شيت \times

الف) $x=1 \rightarrow |y|=1 \rightarrow y = \pm 1 \rightarrow$ تابع شيت (4)

ب) $(y+1)^x = -(x^x + x + 1) \rightarrow$ تابع شيت \rightarrow تعلق ندارد

$x = \sqrt{2} - 2 \rightarrow x^2 + 4 - 4\sqrt{2} + 4\sqrt{2} - 1 + 8 = 4$ (7)

$\rightarrow f(\sqrt{2} - 2) = \frac{4}{4+4} = \frac{1}{2}$

$4 = 2 + a \rightarrow a = 2 \rightarrow x^x + x - 1 = 2x - 1 \rightarrow x^x - 2x + 1 = 0$ (8)

$-4 = -2 + b \rightarrow b = -2$

$S = 2 \rightarrow 2 - (-1) = 3$ (9)

$a = b$ و $b = 1 - b \rightarrow a = \frac{1}{2}$ (9)

$1 = \frac{4 - a + c + 1}{b + 2} \rightarrow b + 2 = 4 - a + c \rightarrow a + b + c = 2 + 2c$ (10)

$0 = \frac{c + 1}{2} \rightarrow c = -1 \Rightarrow a + b + c = 2 + 2c = 0$