

$$A \times B = \{(1,2)(1,3)(2,2)(2,3)(3,2)(3,3)\} \xrightarrow{(-)} A \times B - B^2 = \{(1,2)(1,3)\}$$

$$B \times B = \{(1,2)(1,3)(2,2)(2,3)(3,2)(3,3)\}$$

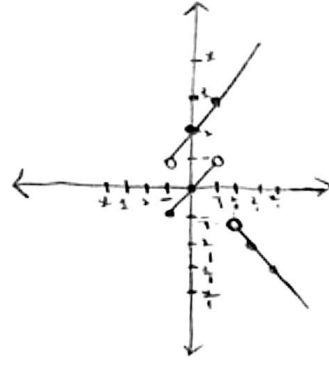
الف) $m^2 = m+2 \rightarrow m^2 - m - 2 = 0$
 $(m-2)(m+1) = 0 \rightarrow \boxed{m = -1}$ تابع نیست $\times$ تابع 2 $\rightarrow (2,1) = (2,4)$

ب) $m^2 = m+2 \rightarrow (m-2)(m+1) = 0 \rightarrow m = 2 \Rightarrow (2,1) = (2,4)$ تابع نیست $\times$ تابع نیست $\times$ $(-1,3) = (-1,4) \Rightarrow$ تابع نیست $\times$ m $\rightarrow$ تابع نیست $\times$ m

$k=1 \Rightarrow 0 = a+b$

$9=2 \Rightarrow \frac{2a+b}{a+b} = 1 \rightarrow a=1, b=-1 \Rightarrow a \cdot b = -1$

$2k-3 = 4-3k \Rightarrow 5k = 7 \rightarrow k = \frac{7}{5}$



$P_f = 1R - \{1\}$ و $R_f = (-\infty, 9]$

الف) $2y_1^3 + 1 = -9x_1^2 \xrightarrow{9x_1^2 = 9x_1^2} 2y_1^3 + 1 = 2y_1^3 + 1 \rightarrow y_1^3 = y_1^3 \rightarrow \boxed{y_1 = y_1}$ تابع مستقیم $y_1 = y_1$

ب) $9x^2 - 29x + 1 + 4y^2 - 12y + 9 = 0$ فقط برای $\frac{1}{4}$ $\rightarrow$ $\frac{1}{4}$ $\rightarrow$ تابع هست $\rightarrow$ $\frac{1}{4}$

2

$$\sqrt{t} \rightarrow \sqrt{t} - \sqrt{t} \rightarrow \sqrt{t} \rightarrow \sqrt{t} \rightarrow \sqrt{t}$$

تابع حسن

$$\frac{q-1}{n} \rightarrow \frac{q-1}{n} + \frac{q-1}{n} + \dots + \frac{q-1}{n}$$

$$Df \div (0.91)$$

$$q \geq 0 \rightarrow P_f = [0, q, +\infty)$$

$$-99 + 14 > 0$$

$\begin{array}{c|c} + & 8 \\ \hline - & 7 \\ - & 6 \\ + & 5 \\ - & 4 \\ - & 3 \\ + & 2 \\ - & 1 \end{array}$

$\frac{1}{2} = 1$
 $\frac{1}{2} = 1$
 $\frac{1}{2} = 1$

$\begin{array}{r} \text{+} \\ \text{-} \\ \hline \end{array}$

$\begin{array}{c|c} + & 8 \\ \hline + & * \\ + & \pi \\ - & \pi \\ + & 8 \end{array}$

$$Df_x(-\infty, 1) \cup (1, \frac{1}{2}) \cup [\frac{1}{2}, +\infty)$$