

پرینال باقری } پاسخ نامه تشریحی نالیف ۱ } یازدهم دفتر A

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$$\text{الف) } 4x^2 - 5x - 4 = 0 \rightarrow x^2 - 5x - 34 = 0 \rightarrow (x-9)(x+4) = 0$$

$$x = \frac{9}{1}, -\frac{4}{1} \Rightarrow x = \frac{9}{1}, -\frac{4}{1}$$

$$\text{ب) } 3x^2 - 11x - 3 = 0 \rightarrow x^2 - 11x - 9 = 0 \rightarrow (x-9)(x+1) = 0$$

$$x = \frac{9}{1}, -\frac{1}{1} \Rightarrow x = \frac{9}{1}, -\frac{1}{1}$$

$$\text{ج) } 4x^2 - 4x - 3 = 0 \rightarrow x^2 - 4x - 12 = 0 \rightarrow (x-4)(x+3) = 0$$

$$x = \frac{4}{1}, -\frac{3}{1} \Rightarrow x = \frac{4}{1}, -\frac{3}{1}$$

$$\text{د) } 4x^2 - 5x - 12 = 0 \rightarrow x^2 - 5x - 24 = 0 \rightarrow (x-1)(x+3) = 0$$

$$x = \frac{1}{1}, -\frac{3}{1} \Rightarrow x = \frac{1}{1}, -\frac{3}{1}$$

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$$\text{الف) } x^2 - 5x - 14 = 0 \rightarrow (x-7)(x+2) = 0 \rightarrow x = 7, -2$$

$$\text{ب) } 4x^2 + 5x + 3 = 0 \rightarrow x^2 + 5x + 4 = 0 \rightarrow (x+2)(x+3) = 0$$

$$x = -\frac{2}{1}, -\frac{3}{1} \rightarrow x = -2, -3$$

ج) $x^2 + 1x + 3 = 0 \rightarrow \Delta < 0$ کسب ندارد

د) $3x^2 + 3x - 2 = 0 \rightarrow \frac{-3 \pm \sqrt{3^2 + 24}}{6}$

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

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الف) $m^2 = m + 2 \rightarrow m = (-1), (2) \rightarrow$ غلط غلط

ب) $m^2 = m + 2 \rightarrow m = (-1), (2) \rightarrow$ غلط غلط

$a^2 = 3a - 2 \rightarrow a = (1), (2) \rightarrow$ غلط غلط

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$\begin{cases} 0 = a + b \\ 1 = 2a + b \end{cases} \Rightarrow \begin{cases} a = (-1) \\ b = 1 \end{cases} \rightarrow a \times b = (-1)$

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$$z=1 \rightarrow y'' - y' = 1 - y' \rightarrow y' = \frac{1}{\alpha} \quad \text{Ⓜ}$$

V

$$\text{الف) } y''' - y'' = 0 \rightarrow \boxed{\alpha} \quad \text{تابع نیست}$$

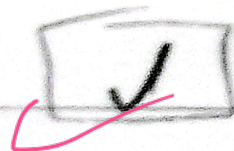
A

$$\text{ب) } z=0 \rightarrow y = \pm y'' \rightarrow \boxed{\alpha} \quad \text{تابع نیست}$$

$$\text{ج) } z=i\pi \rightarrow y = \pm \sqrt{2} \rightarrow \boxed{\alpha} \quad \text{تابع نیست} \quad \text{Ⓜ}$$

$$\text{د) } y'' + (z+1)y' = 0 \rightarrow \begin{vmatrix} -1 \\ 0 \end{vmatrix} \rightarrow \boxed{\checkmark} \quad \text{تابع هست}$$

$$\text{الف) } \sqrt[3]{y} + x^2 = 2x - 2$$



كافع صحيح

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$$\sqrt[3]{y_1} + x_1^2 = 2x_1 - 2$$

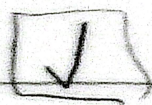
$$\xrightarrow{x_1 = x_2}$$

$$2x_1 - 2 - x_1^2 = 2x_2 - 2 - x_2^2$$

$$\sqrt[3]{y_2} + x_2^2 = 2x_2 - 2$$

$$\sqrt[3]{y_1} = \sqrt[3]{y_2} \rightarrow y_1 = y_2$$

$$\text{ب) } g^w + yg = \omega x$$



كافع صحيح

$$g_1^w + yg_1 = \omega x_1$$

$$\xrightarrow{x_1 = x_2}$$

$$g_1^w + yg_1 = g_2^w + yg_2$$

$$g_2^w + yg_2 = \omega x_2$$

$$g_1 = g_2$$

الف) $x \sin y = y \sin x$ X تابع نیست 10

$x=0 \rightarrow 0 \times \sin y = y \times 0 \rightarrow$ می تواند هر مقدار باشد.

ب) $\sqrt{\frac{x}{y}} + \sqrt{\frac{y}{x}} = 2$ ✓ تابع هست.

$x=y$ ($x, y \neq 0$)

ج-۴) $(3, m^2)$ و $(3, m+2) \leadsto m^2 = m+2 \leadsto m^2 - m - 2 = 0$

$m=2 \rightarrow (2, 1) \text{ و } (2, 4) \times$

$m=-1 \rightarrow (-1, 4) (-1, 1) \times$ به ازای هیچ مقدار m عبارت آیزنشت!