

تکلیف

دوازدهم بهار ۱۳۹۵

کلاس ریاضی

الف

$$\sin \Delta \rightarrow R = \begin{bmatrix} -1 & 1 \end{bmatrix}$$

$$\sin^2 \Delta \rightarrow R = \begin{bmatrix} 0 & 1 \end{bmatrix}$$

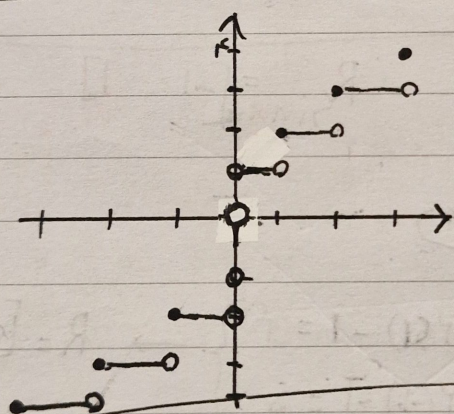
$$2 \sin^2 \Delta \rightarrow R = \begin{bmatrix} 0 & 2 \end{bmatrix}$$

ب

$$c.s \Delta \rightarrow R = \begin{bmatrix} -1 & 1 \end{bmatrix}$$

$$3 c.s \Delta \rightarrow R = \begin{bmatrix} -3 & 3 \end{bmatrix}$$

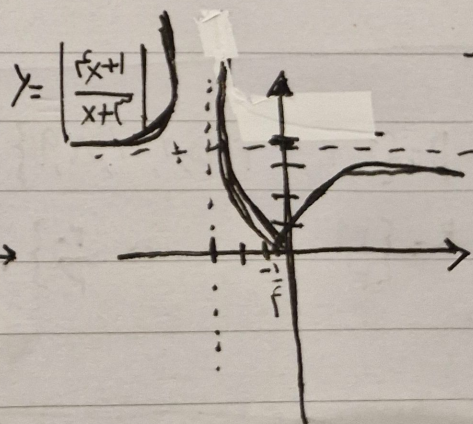
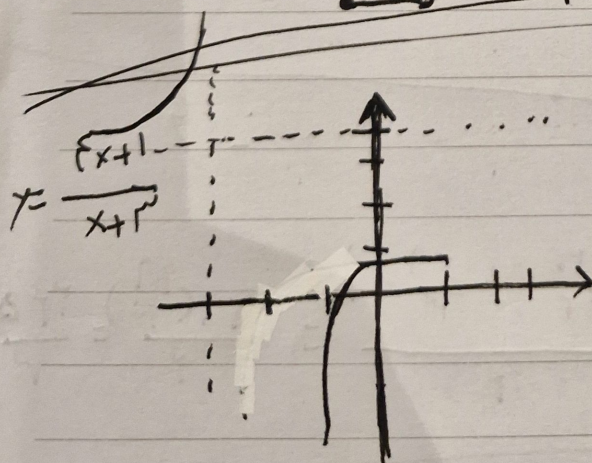
$$2 c.s \Delta - 4 \rightarrow R = \begin{bmatrix} -2 & -2 \end{bmatrix}$$



$$x > 0 \rightarrow |x| = x$$

$$x < 0 \rightarrow |x| = -x$$

$x = 0 \rightarrow$ تعریف نشده



$$(f(3)) - (f(1)) = 12 > 0$$

$$\frac{x^3 - 4x}{x+2} \rightarrow \frac{x(x-2)(x+2)}{x+2} = (x-2)x$$

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$$(x-2)x = 1 \rightarrow x = 4$$

$$y = x^2 - 2x \rightarrow x_5 = 1 \rightarrow y_5 = -1 \rightarrow x = -1$$

$$f\left(\frac{2}{-1}\right) = f(-1) = (-3)(-1) = +3$$

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$$\sqrt[3]{(x-2)^3} = \sqrt[3]{x^3 - 6x^2 + 12x - 8}$$

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$$a = -6$$

$$b = 12$$

$$x = -6 \rightarrow y = -8$$

$$R = [-8 \ 10]$$

$$x = 12 \rightarrow y = 10$$

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$$y = \left[x + \frac{1}{p} \right] + [x]$$

$$\frac{1}{p} \leq x < 1$$

$$y \begin{cases} 1 & \frac{1}{p} \leq x < 1 \\ 2 & 1 \leq x < \frac{2}{p} \\ 3 & \frac{2}{p} \leq x < 2 \end{cases}$$

نمیست

