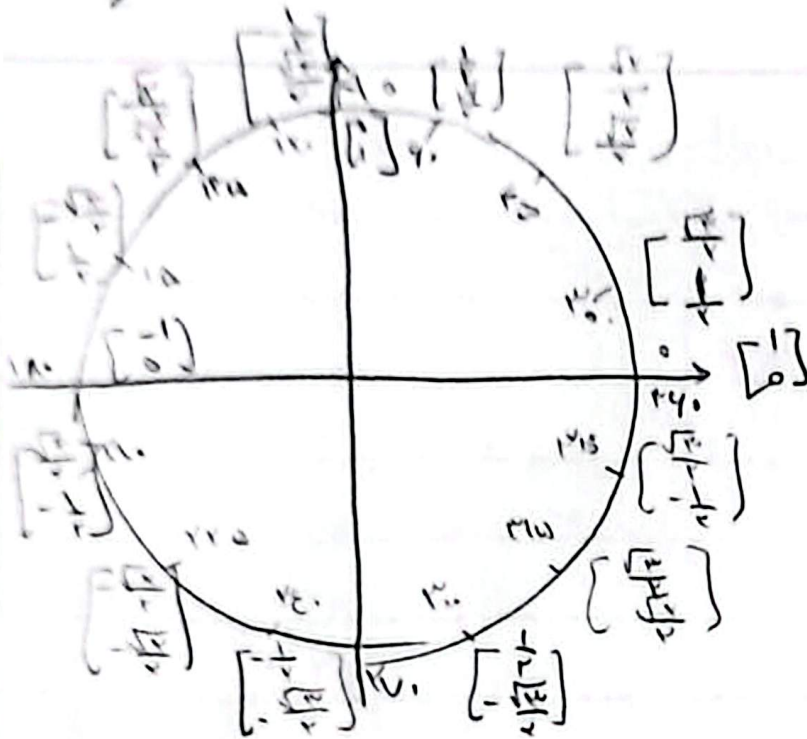
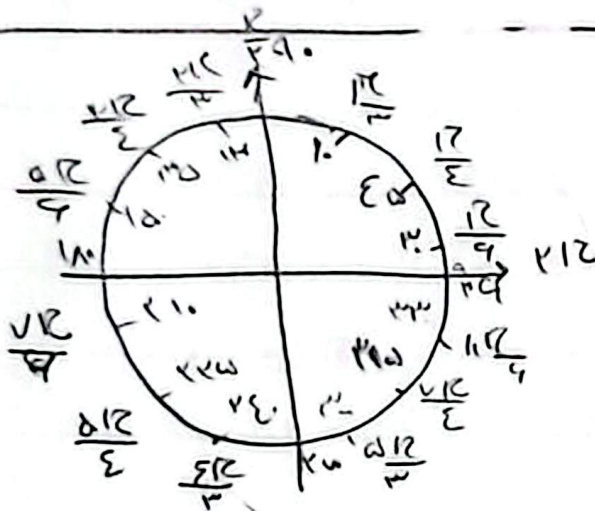


Subject

Date



-8



-9

الف) $\cos 140^\circ \rightarrow -\frac{1}{4}$

ب) $\sin 140^\circ \rightarrow \frac{1}{4}$

ج) $\cos \frac{11\pi}{4} \rightarrow \frac{1}{2}$

د) $\sin \frac{11\pi}{4} \rightarrow -\frac{1}{2}$

-10

-۴

از روش انحصار $\rightarrow x^2 + 1y - 11 = 8x \rightarrow$

$$x^2 + 1y - 11 - 8x = 0$$

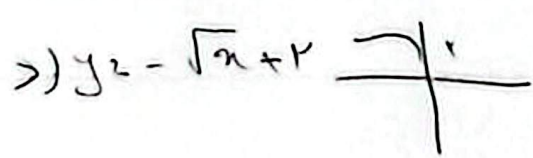
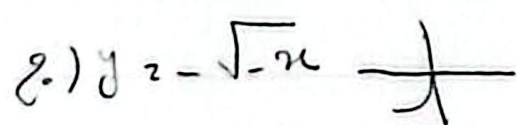
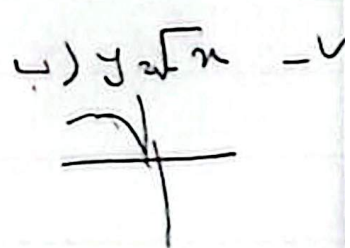
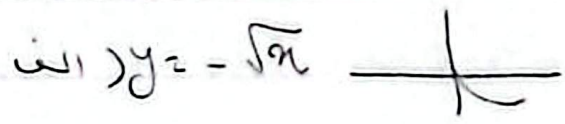
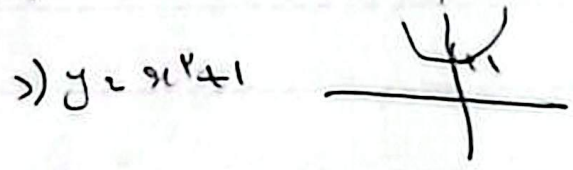
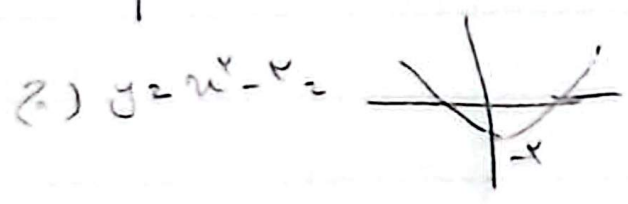
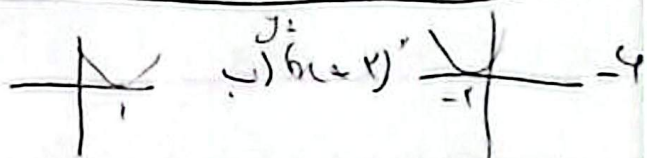
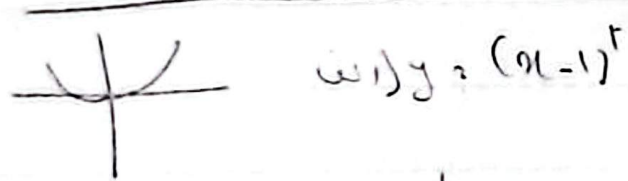
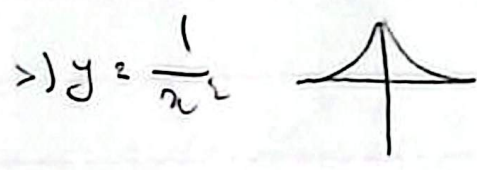
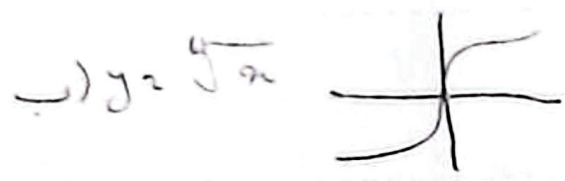
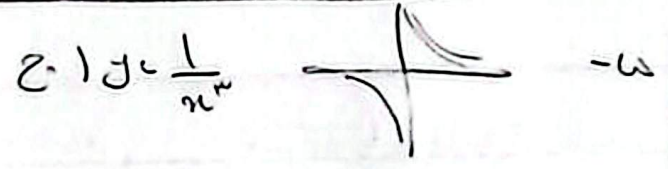
$$(x-4)^2 + 1y - 11 = 0 \rightarrow y = 11 - (x-4)^2$$

$$x=4 \rightarrow y=11$$

$$y = -3 \rightarrow x = 1$$

اب $y = x^2 + 3x$

چون نقطه درجه داری $\rightarrow$ تابع $\sqrt[5]{x}$ $\rightarrow y = \sqrt[5]{x}$ $\rightarrow y^5 = x$



Subject:

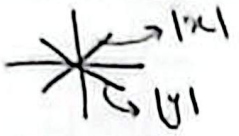
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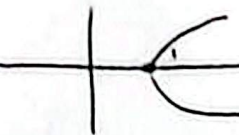
ماتریک ریاضی (فصل دوم)

$$a^2 + 3a - 4 \rightarrow (a-4)(a+1) \leftarrow a^2 + 3a - 4$$

$$\xrightarrow{a=1} \rightarrow (1, \frac{1}{4}) (1, \frac{1}{2}) (2, \frac{1}{2})$$

این سه نقطه را رسم کنید

$$|y| = |x| \quad \text{الف}$$


$$|y| + \sqrt{x-1} = 0 \quad \text{ب}$$


$$|y-1| = \sqrt{x-2} \rightarrow x \geq 2 \quad \begin{cases} x=2 \\ y=1 \end{cases} \quad \text{الف}$$

$$y - \frac{x^2}{2} = 0 \rightarrow \frac{y}{x^2} = 0 \rightarrow y(y^2 - 1) = y(y-1)(y+1) = 0$$

از این معادله می‌توانیم بنویسیم:

$$\text{ج.) } \sin x \cos \frac{y}{x} = 1 \rightarrow \cos^2 \frac{y}{x} = 1$$

$$\sin x \cos \left(\frac{\pi}{2} \right) \left(\frac{\pi}{2} \right) = 1 \rightarrow \sin(x) = 1$$

$$\sin x \cos \left(\frac{\pi}{2} \right) \left(\frac{\pi}{2} \right) = 1 \rightarrow \sin(x) = 1$$

$$\sin \left(\frac{\pi}{2} \right) + \cos^2 \frac{y}{x} = 1 \rightarrow \cos^2 \frac{y}{x} = 0 \rightarrow \cos \frac{y}{x} = 0$$

یعنی در این معادله می‌توانیم بنویسیم: $\rightarrow x=2 \rightarrow y=1$ و $y=2$ و $y=3$