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الف) $\cos 120^\circ = -\cos 60^\circ = -\frac{1}{2}$	ب) $\cos \frac{2\pi}{3} = \cos 120^\circ = -\frac{1}{2}$			۱۰
ب) $\sin 120^\circ = \sin 60^\circ = \frac{\sqrt{3}}{2}$	د) $\sin \frac{2\pi}{3} = \sin 120^\circ = \frac{\sqrt{3}}{2}$			

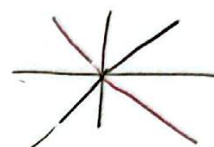
$$f_u = u^2 + 3$$

$$u^2 - 4u + 3 = 0 \rightarrow (u-1)(u-3)$$

$$u = 1 \text{ یا } 3$$

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$$n = y \quad y = -n \quad \times$$



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$$y = 0$$

$$y = 0$$

$$\sqrt{n-1} = 0$$

$$n \geq 1$$



$$n = 3 \quad |y-1| = 1 \rightarrow y = 0 \text{ یا } 2 \quad \times$$

$$n = 0 \quad y^4 - y = 0 \quad y(y^3 - 1) = 0 \rightarrow y = 1 \text{ یا } -1 \text{ یا } 0 \quad \times$$

$$n = 0 \quad \cos^2 \frac{y}{2} = 1 \quad y = 0 \quad y = 2\pi \text{ یا } 0 \quad \times$$

$$n = 0 \quad 0 \times y = 0 \quad \text{مربع} = R \quad \times$$

$$n^2 + |y-1| = 4n$$

$$|y-1| = 4n - n^2$$

$$|y-1| = 3$$

$$y = -2 \text{ یا } 4$$

$\times$

$$y^2 + 3n = 0$$

$$y^2 = -3n$$

$$y = \sqrt{-3n}$$

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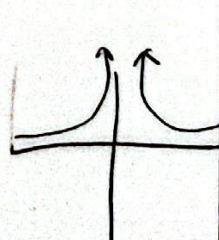
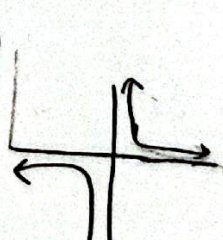
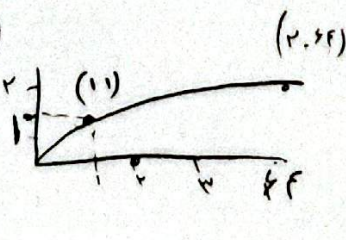
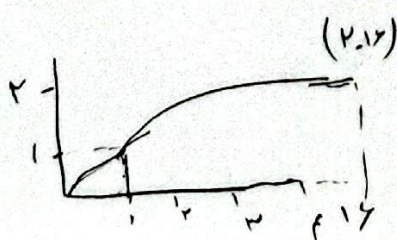
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