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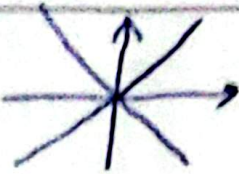
$$fa = a^2 + 2 \rightarrow a^2 - fa = -2 \rightarrow a(a-f) = -2$$

$$a^2 - fa + 2 = (a-1)(a+2)$$

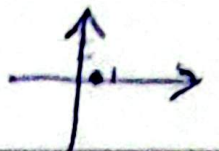
$$a = \begin{bmatrix} 2 \\ 1 \end{bmatrix} \text{ دارای صورت}$$

2

الف)  $|a| = |a|$  نیست برای یک  $a$  مقدار داریم



ب)  $|a-1| + |a|$  است فقط نقطه‌ی  $!$  دارد و در  $y=1$  نقطه



$$a=6 \rightarrow y = \begin{bmatrix} 3 \\ -1 \end{bmatrix}$$

$$a=0 \rightarrow y = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$

$$a=0 \rightarrow x \cos^2 y = 1 \rightarrow y = \begin{bmatrix} 0 \\ 2\pi \end{bmatrix}$$

$$a=0 \rightarrow y = \infty$$

الف)  
ب)  
ج)  
د)

$$a^2 + |y-1| = fa \rightarrow y = 1 + (fa - a^2)$$

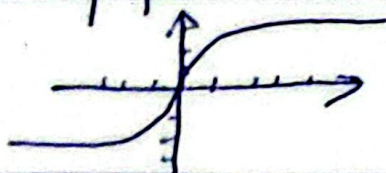
$$|y-1| = fa - a^2 \rightarrow y = 1 - (fa - a^2)$$

با استفاده از شکل

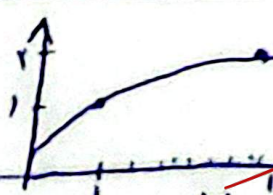


تابع است

با استفاده از شکل



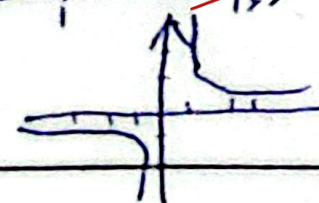
ب)



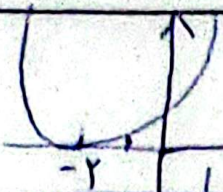
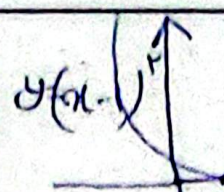
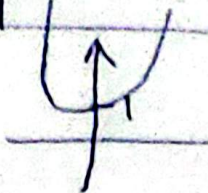
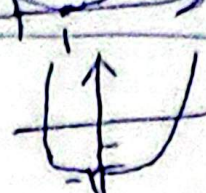
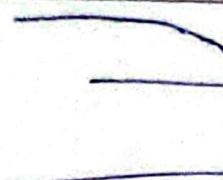
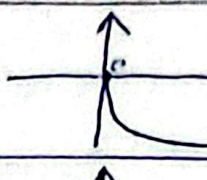
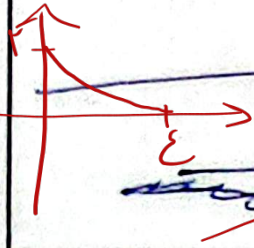
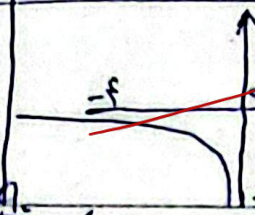
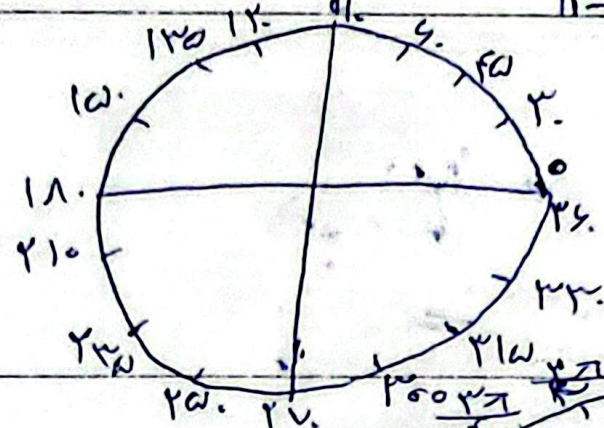
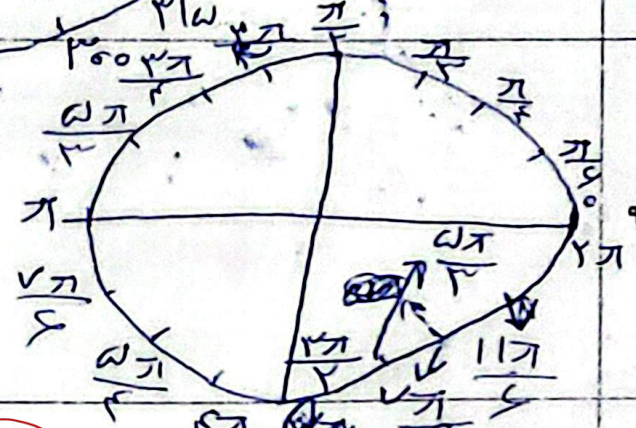
الف)



د)



ج)

|                                                                                                 |                                                                                                   |       |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------|
|  $y = (x+1)^2$ |  $y = (x-1)^2$  | (الف) |
|  $y = x^2 + 1$ |  $y = x^2 - 1$ | (ب)   |
|                |                | (الف) |
|                |                 | (ب)   |
|              |               | (ب)   |
| $\boxed{\frac{1}{x}}$                                                                           | $\boxed{\frac{1}{x}}$                                                                             | (الف) |
| $\boxed{-\frac{1}{x}}$                                                                          | $\boxed{-\frac{1}{x}}$                                                                            | (ب)   |