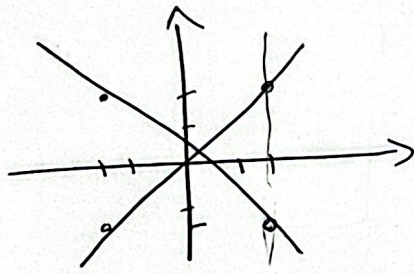


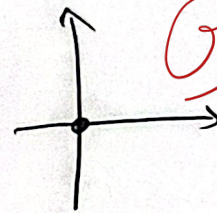
$$a^2 + 3 = 4a \Rightarrow a^2 - 4a + 3 = 0 \Rightarrow (a-1)(a-3) = 0$$

$$\Rightarrow \begin{cases} 1 \\ 3 \end{cases}$$

۶



تابع است



تابع دارد

$$f(x) = x = 4 \Rightarrow |y-1| = \sqrt{4} \Rightarrow |y-1| = 2 \Rightarrow y-1 = -2 \Rightarrow y = -1$$

$$y-1 = +2 \Rightarrow y = 3$$

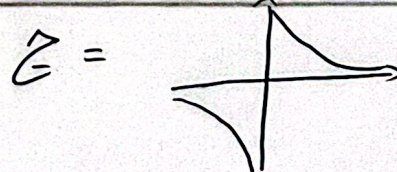
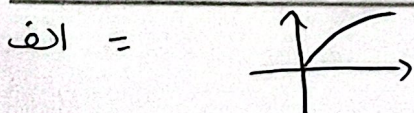
$$f(x) = y^2 - y = \frac{x^2}{4} \Rightarrow x = 0 \Rightarrow \frac{x^2}{4} = 0 \Rightarrow y^2 - y = 0 \Rightarrow y(y-1) = 0 \Rightarrow y = 0 \text{ or } y = 1$$

$$f(x) = x = 9 \Rightarrow \sin x = 1 \Rightarrow 1 + \cos^2 \frac{y}{2} = 1 \Rightarrow \cos^2 \frac{y}{2} = 0 \Rightarrow \frac{y}{2} = \frac{\pi}{2} \Rightarrow y = \pi$$

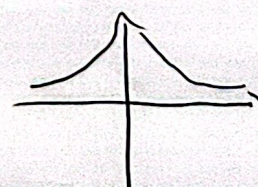
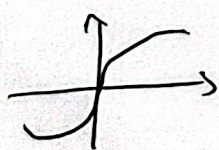
تابع است

۱۷

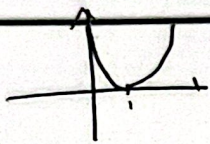
۱۰



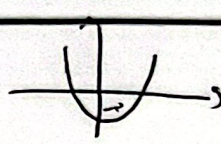
۵



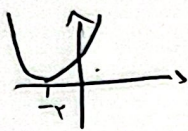
$\dot{f}(x) =$



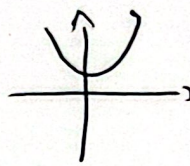
$\hat{c} =$  



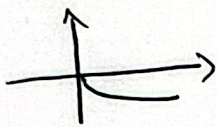
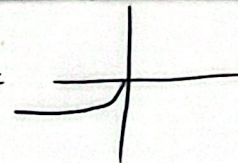
$f =$



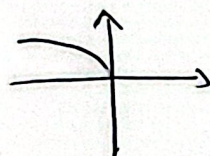
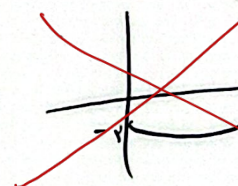
$\gamma =$  



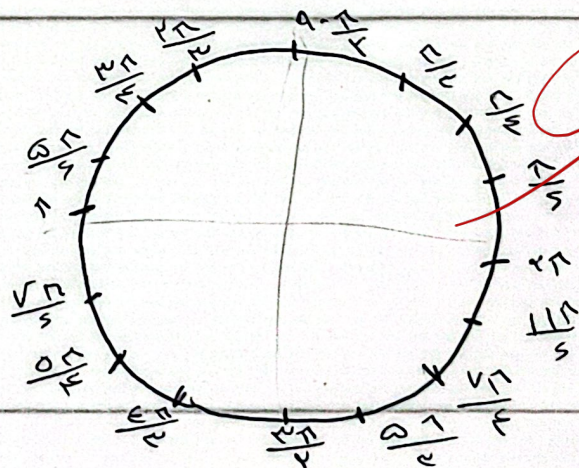
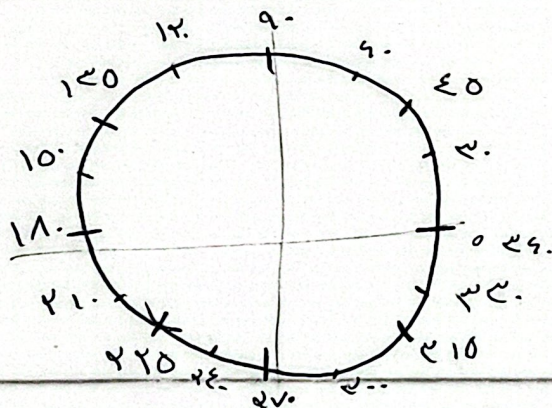
الف


$$j =$$


$\vec{b} =$  


$$\gamma =$$


1,00



9

$$الف = -\frac{1}{2}$$
$$-1 = -1$$
$$z = \frac{1}{2}$$
$$y = -\frac{1}{2}$$

2