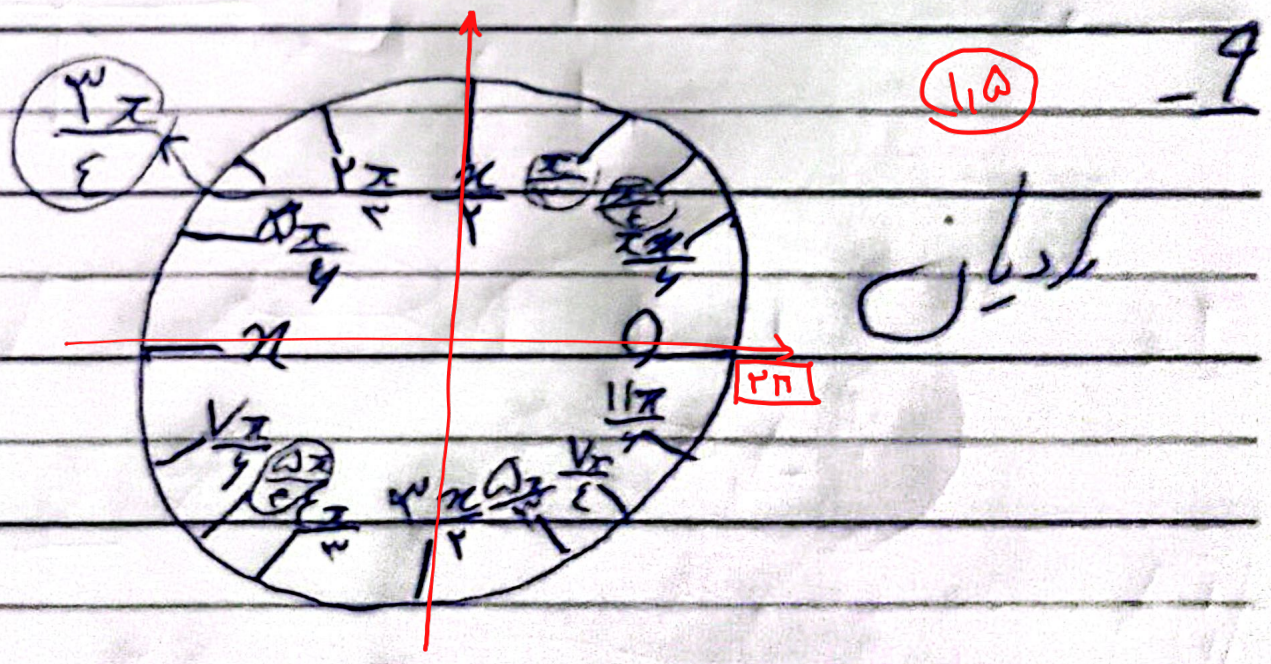
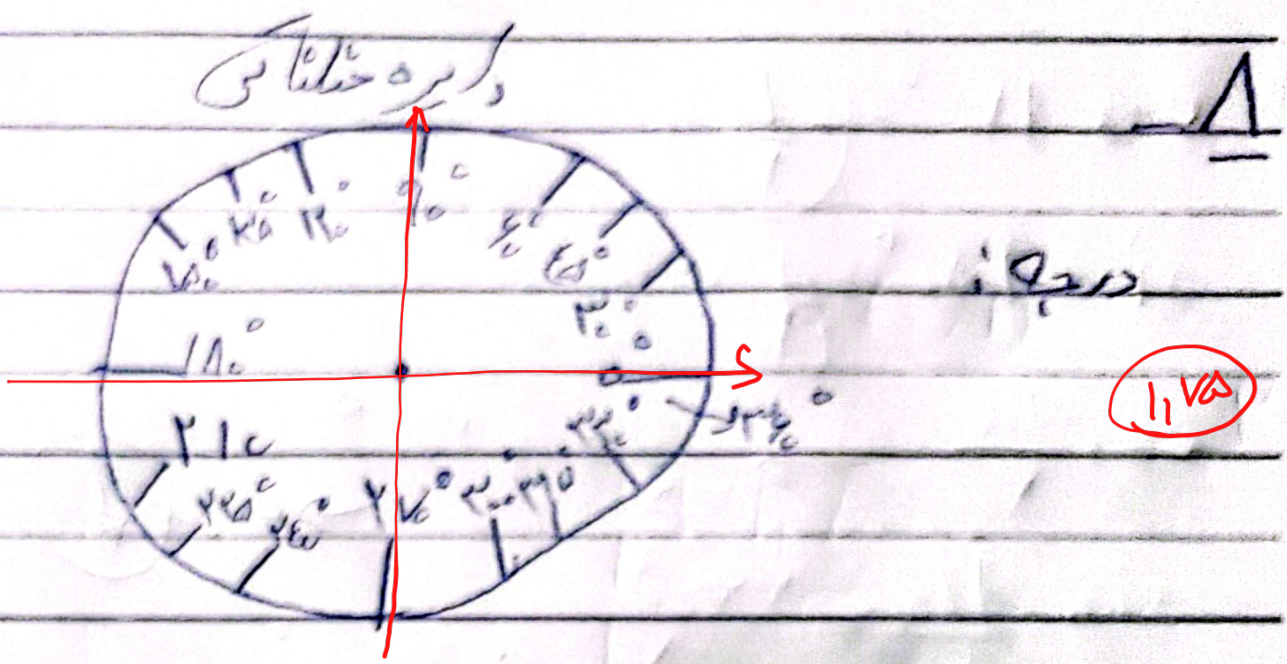
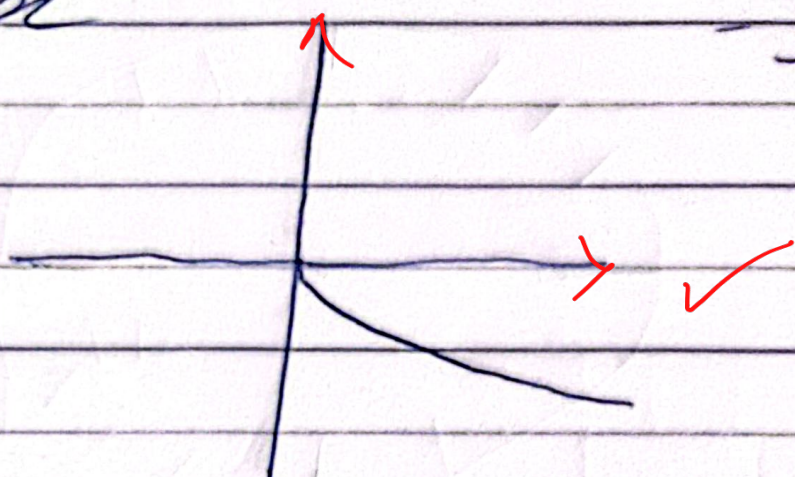


به دلیل نفوس این اسم منزله شما مندرجاً می باشد !

۱۸

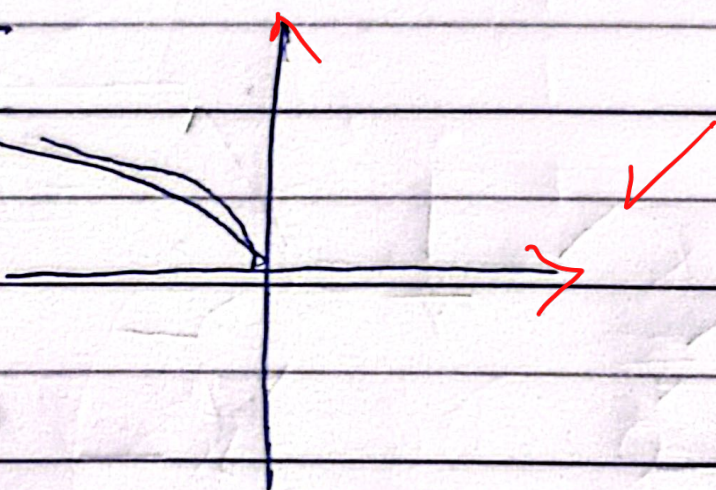


$$y = \sqrt{x}$$

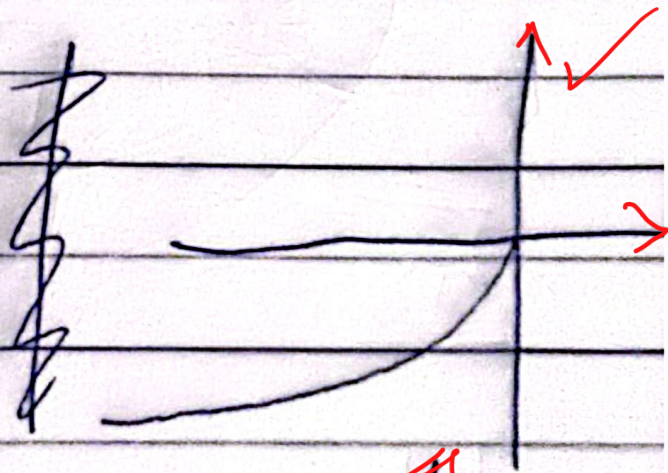


4

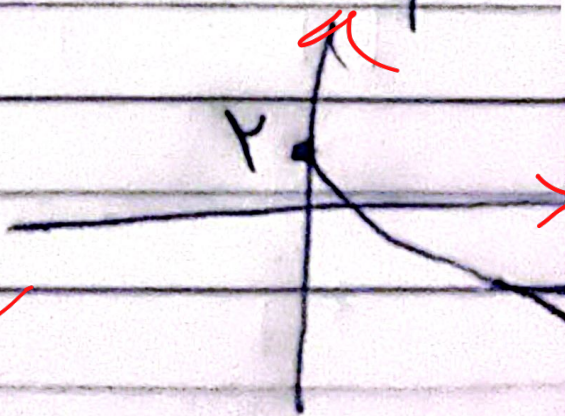
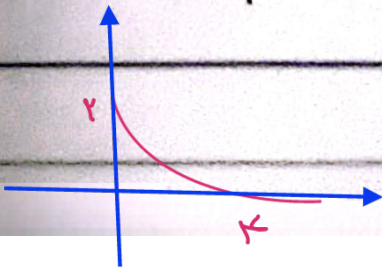
$$y = \sqrt{-x}$$



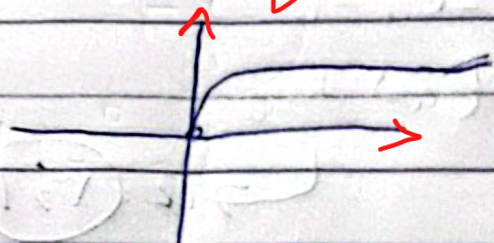
$$y = -\sqrt{x}$$



$$y = \sqrt{x} + 1$$

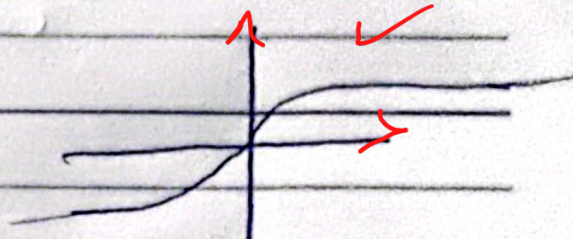


$$y = \sqrt{x}$$

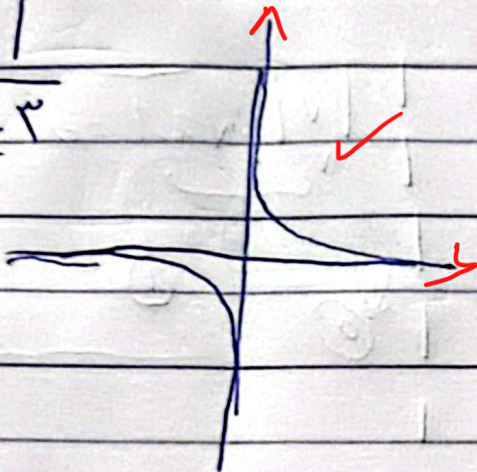


$$y = \sqrt{x}$$

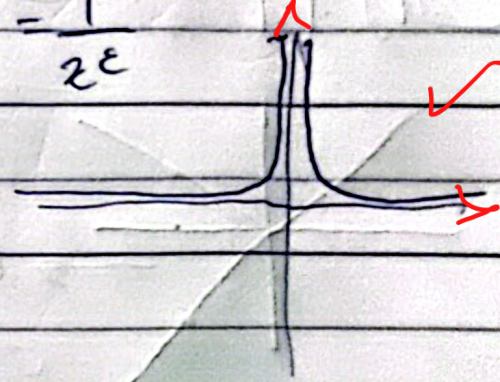
(P)



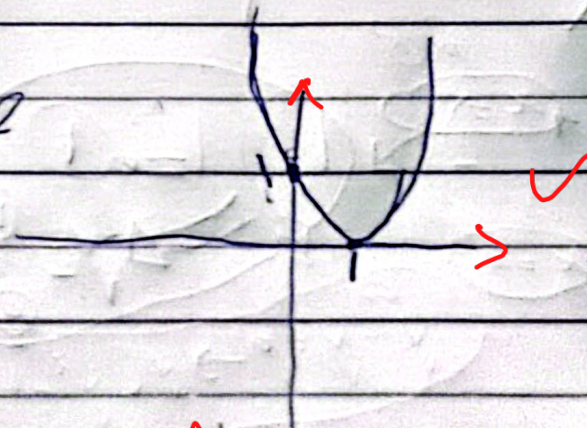
$$y = \frac{1}{x^2}$$



$$y = \frac{1}{x^2}$$

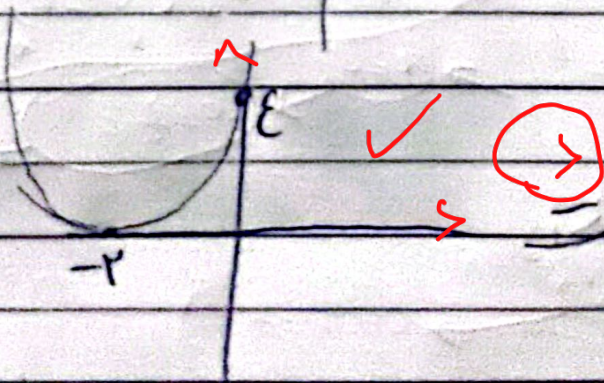


الف) $y = (x-1)^2$

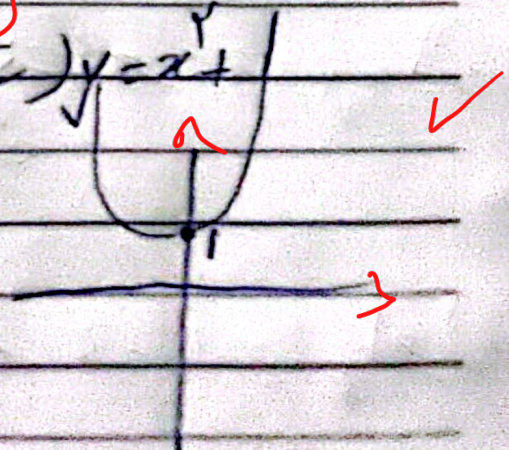


(P)

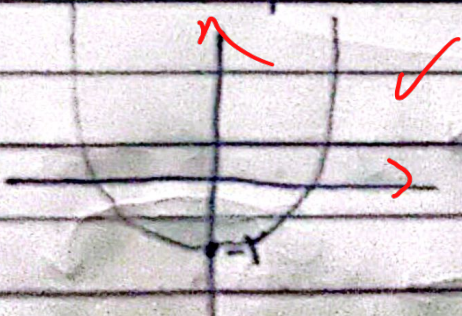
ب) $y = (x+2)^2$



ج) $y = x^2 + 1$



د) $y = x^2 - 1$



$$\cos 180^\circ = -\left(\frac{1}{r}\right)$$

✓

$$\cos 180^\circ = -1$$

$$\sin 180^\circ = \left(\frac{1}{r}\right)$$

✓

$$\cos \frac{\Delta x}{r}$$

$$\rightarrow \frac{\Delta x}{r} = \cos 0^\circ$$

$$\rightarrow \cos = \left(\frac{1}{r}\right)$$

$$\left(\frac{1}{r}\right)$$

$$\sin \frac{\Delta x}{r} = \sin 0^\circ$$

$$\rightarrow \sin = -\left(\frac{1}{r}\right)$$

$$\left(-\frac{1}{r}\right)$$

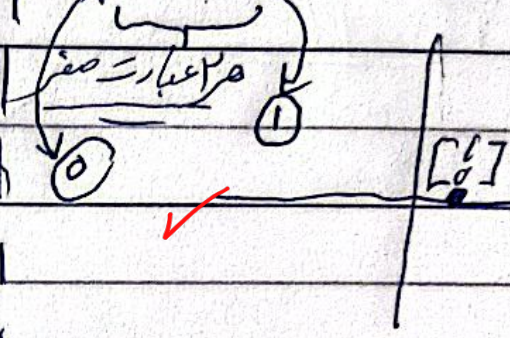
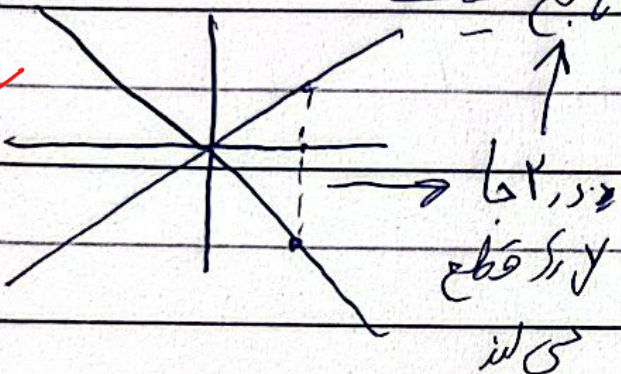
$$E_d = a^2 + 3 \rightarrow a^2 + 3 - E_d = 0$$

$$(a-1)(a-3) = 0$$

$$\rightarrow a = 3, 1$$

الف) $|y| = |z|$

$$|y| + \sqrt{z-1} = 0$$



$$|y-1| = \sqrt{z-1}$$

$$z=3$$

$$|y-1| = 0 \Rightarrow y=1$$

$$y - y = \frac{\pi}{2}$$

$$z=9$$

$$y - y = 0 \Rightarrow y(y^2 - 1) = 0 \Rightarrow y = 0, 1, -1$$

$$\sin^2 \frac{y}{2} \cos^2 \frac{y}{2} = 1$$

$$z=0$$

$$\cos \frac{y}{2} = 1 \Rightarrow y = 0, 4\pi$$

$$2\pi y = \pi$$

$$z=0$$

$$y_{k=0} = 0$$

مستطیلی
قابل قبول است

پاسخ صحیح

الف) $a^2 + |y-1| = 4$

$$z=0$$

$$|y-1| = 4 \Rightarrow y = 5, -3$$

$$y^2 + 3 = 0 \Rightarrow y^2 = -3$$

$$z = -3$$

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

مستطیل نبوده و توضیح بده!

کتاب نیست

صورت سوال اشتباه نوشته!

$$(الف) \quad x^2 + |y-1| = 4x$$

از مثال فوق استفاده
میکنیم

$$\rightarrow x=1 \rightarrow |y-1|=3 \Rightarrow \begin{cases} y=-2 \\ y=4 \end{cases}$$

تابع نیست

$$(ب) \quad y^5 + 3x = 0$$

از تعریف ریاضی

$$\begin{cases} y_1^5 + 3x_1 = 0 \\ y_2^5 + 3x_2 = 0 \end{cases}$$

$$\xrightarrow{x_1=x_2}$$

$$y_1^5 = y_2^5 \Rightarrow y_1 = y_2$$

تابع هست