

$$F = \{(1, 4a), (1a, 3), (2, 2a)\}$$

18, 18

$$a^2 + 3 = 4a$$

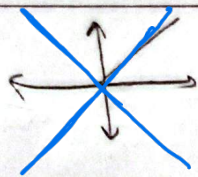
$$a^2 - 4a + 3 = 0$$

$$(a-1)(a-3) = 0 \rightarrow \begin{cases} a=3 \\ a=1 \end{cases}$$

✓

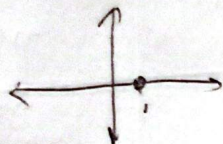
$$|y| = |x|$$

$$y = \pm x$$



تابع هست

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



تابع هست

18, 18

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

$$x=0 \rightarrow |y-1| = 0 \rightarrow y=1$$

$$x=3 \rightarrow |y-1| = 2 \rightarrow y-1 = \pm 2 \rightarrow y = 3 \text{ or } y = -1$$

$$y^2 - y = \frac{x}{2} \rightarrow y^2 - y - \frac{x}{2} = 0$$

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

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

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

تابع هست

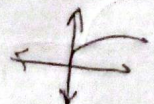
✓

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

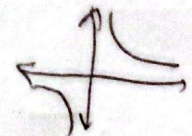
$$\begin{cases} y_1^2 + 3x_1 = 0 \\ y_2^2 + 3x_2 = 0 \end{cases} \rightarrow y_1 = y_2 \rightarrow y_1 = y_2$$

تابع هست

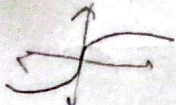
$$|y| = \sqrt{x}$$



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

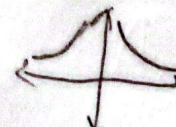


$$y = \sqrt{x}$$

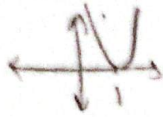


✓

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



1) $y = (x-1)^2$

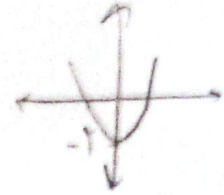


2) $y = (x+2)^2$

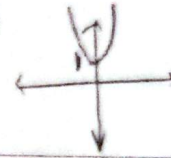


✓ (C)

3) $y = x^2 - 2$



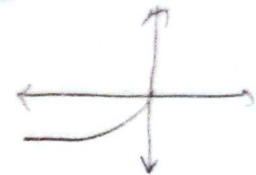
4) $y = x^2 + 1$



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



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

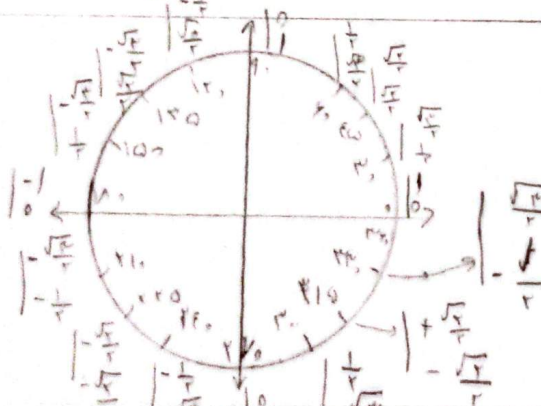
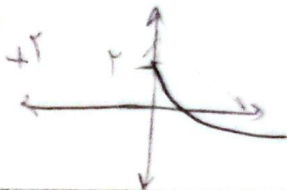


7) $y = \sqrt{-x}$

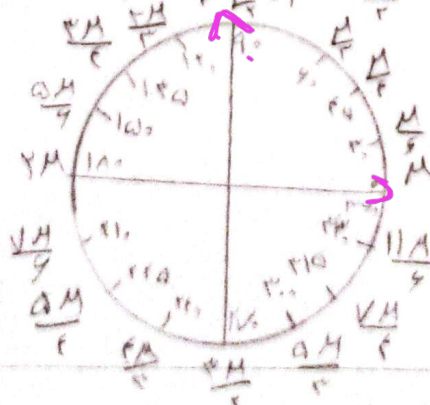


✓ (C)

8) $y = -\sqrt{x} + 2$



✓ (C)



رسم شود

بص

9) $-\frac{1}{2}$

10) $\frac{1}{2}$

✓ (C)

11) $\frac{1}{2}$

12) $-\frac{1}{2}$