

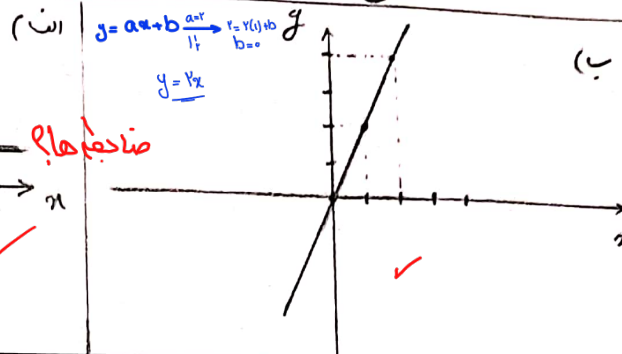
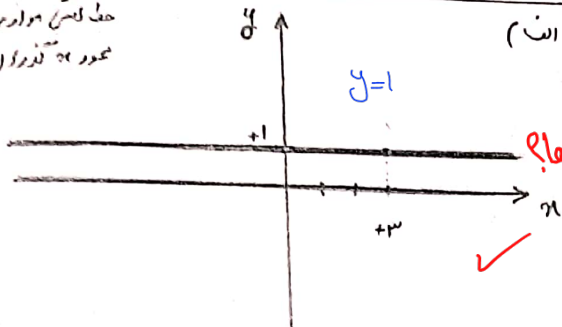
نام و نام خانوادگی پاسخنامه تشریحی تکلیف شماره کلاس مسرت

تابعیت $y^3 - x = 2x^2$ $\left[\begin{array}{l} y_1^3 - x_1 = 2x_1^2 \\ y_2^3 - x_2 = 2x_2^2 \end{array} \right] \Rightarrow \text{if } x_1 = x_2 \Rightarrow y_1^3 = y_2^3 \Rightarrow y_1 = y_2$

تابعیت $|y| + x^2 = x + 3 \rightarrow x=0 \rightarrow |y| + 0 = 3 \Rightarrow |y| = 3 \Rightarrow y = \pm 3$

تابعیت $\sqrt{x-4} = 0 \rightarrow x=4$ و $|y-2| = 0 \Rightarrow y=2$
 تابعیت $x = \frac{\sqrt{2}}{y} \Rightarrow y = f$ $\cos y = \frac{\sqrt{2}}{y} \rightarrow y = 45$ و 315

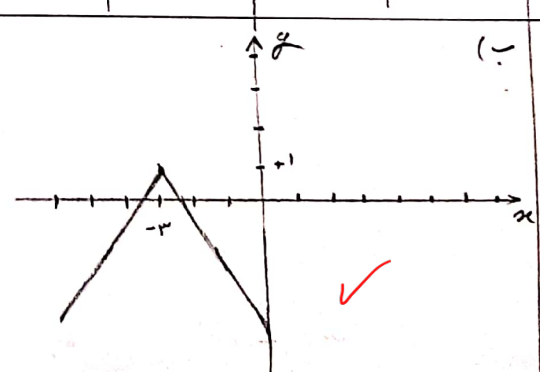
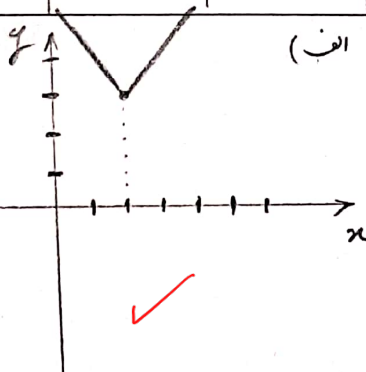
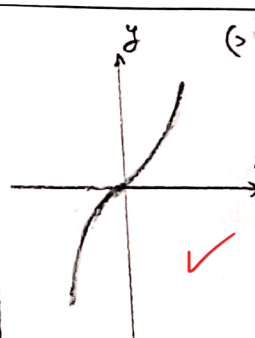
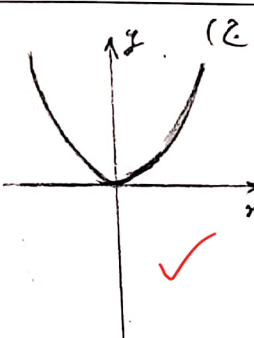
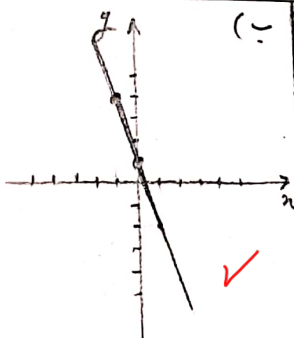
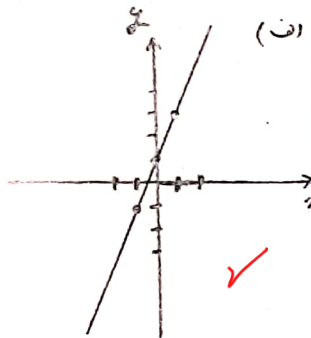
محل کتبی برآورد
 نمودار از آن



$y = x$
 $y = ax + b$
 $\downarrow$ $\downarrow$
 1 0

$ax + b = 1 + 0 = 1$

$y = x^2 + ax + b$
 $\left| \begin{array}{l} 1 \\ 1 \end{array} \right| \sim \frac{-a}{2} \Rightarrow a = -2$
 $y = x^2 - 2x + b$
 $1 - 2 + b = b - 1 = 0 \Rightarrow b = 1$



$$\checkmark 1) n^r = f n \neq 0 \quad n^r \neq f n \quad n \neq f \Rightarrow D_f = \mathbb{R} - \{f, 0\}$$

$$\checkmark 2) n^r = \sqrt{n} + 1 \neq 0 \Rightarrow \Delta = b^r - f a c = f^2 - f(14 \times 1) = f^2 - 14f = -10 \Rightarrow \dots \neq 0 \Rightarrow D_f = \mathbb{R}$$

$$\checkmark 3) n^r = n + f \neq 0 \Rightarrow \Delta = b^r - f a c = 1 - f(f \times 1) = 1 - f^2 = -12 \Rightarrow \dots \neq 0 \Rightarrow D_f = \mathbb{R}$$

$$\checkmark 4) n^r = f n^r \neq 0 \Rightarrow (n^r - f n^r)(n^r + f n^r) \neq 0 \Rightarrow D_f = \mathbb{R} - \{0, \sqrt{f}, -\sqrt{f}\}$$

$$\checkmark 5) \begin{cases} f < n < 9 \\ n \leq 9 \end{cases} \quad n = \sqrt{2} \Rightarrow \frac{n}{n} \Rightarrow \sqrt{2} \leq n \leq 9 \Rightarrow D_f = [\sqrt{2}, 9]$$

$$\checkmark 6) \text{if } n^r + 1 = 0 \Rightarrow n^r = -1 \times \Rightarrow D_f = \mathbb{R}$$

$$\checkmark 7) n = \sqrt{2} \Rightarrow n \geq \sqrt{2}, \quad n = f \neq 0 \Rightarrow n \neq f \Rightarrow D_f = [\sqrt{2}, +\infty) - \{f\}$$

$$\checkmark 8) |n| < n^r \Rightarrow \left\{ \begin{array}{c} \sqrt{2} \\ 0 \\ -\sqrt{2} \end{array} \right\} \Rightarrow D_f = \mathbb{R} - \{0\}$$

cos x = 1

