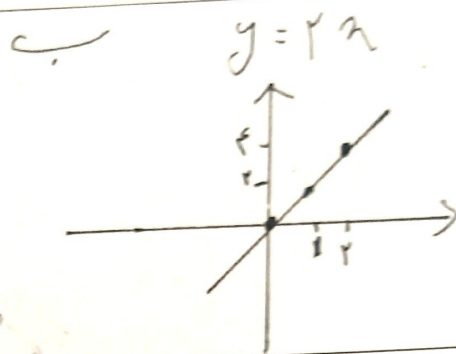
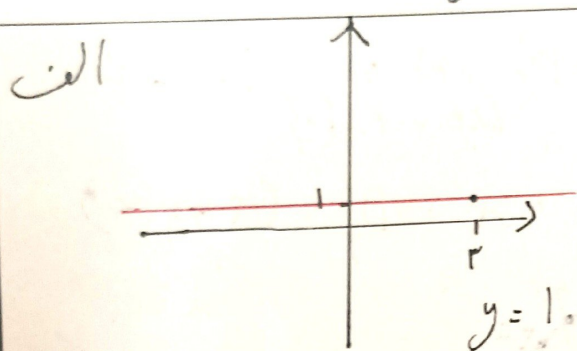


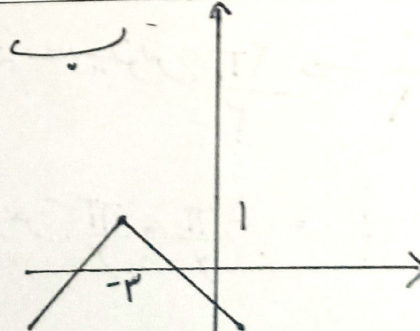
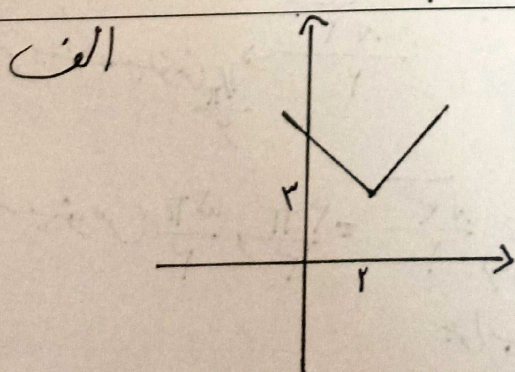
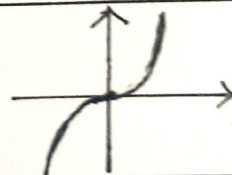
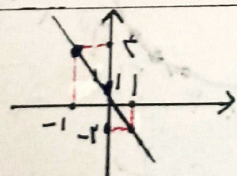
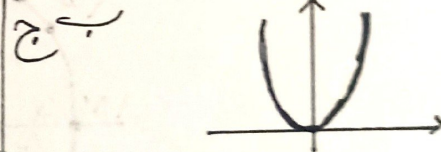
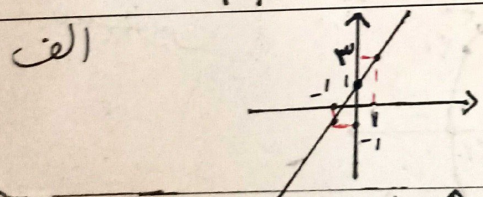
نام و نام خانوادگی: سید محمد رضا... پاسخنامه تشریحی تکلیف شماره ۳ کلاس دوم دبیر B

تابع است $y_1 = y_2 \rightarrow y_1^2 = y_2^2 \rightarrow x_1^2 = x_2^2 \rightarrow x_1 = x_2$
 تابع نیست $y_1^2 - x_1 = 2x_1^2, y_2^2 - x_2 = 2x_2^2$
 ب $\rightarrow y = \pm 2 \Rightarrow x = 1 \Rightarrow x + 2 = y + 2 \Rightarrow y = x + 2$
 ج $\rightarrow$ تابع است $\Rightarrow$ نمی است $\Rightarrow$ تابع است
 د $\rightarrow x = 0 \Rightarrow \cos y = 0 \Rightarrow y = \frac{\pi}{2}, y = \frac{3\pi}{2}$ تابع نیست



الف $\rightarrow$ تابع $\rightarrow y=x \Rightarrow a=1 \Rightarrow a+2b=1+0=1$
 ب $y = ax^2 + bx + c \Rightarrow 1 = 4 + (-1) \times 2 + b \Rightarrow 1 = -2 + b \Rightarrow b = 3$

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الف) $\frac{z+4}{z(z-5)} \Rightarrow D_f = R - \{5, 0\}$

ب) $\frac{z+4}{z^2+z+1} \Rightarrow D_f = R$

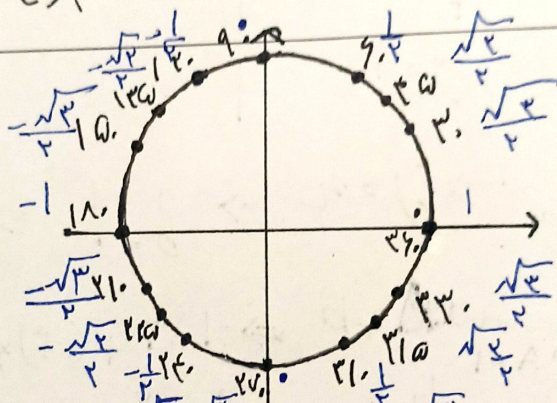
ج) $\frac{z+4}{z^2+z+1} \Rightarrow D_f = R$

د) $\frac{z+4}{z^2+z+1} \Rightarrow \frac{z+4}{z^2(z^2-1)} \Rightarrow D_f = R - \{0, -1, 1\}$

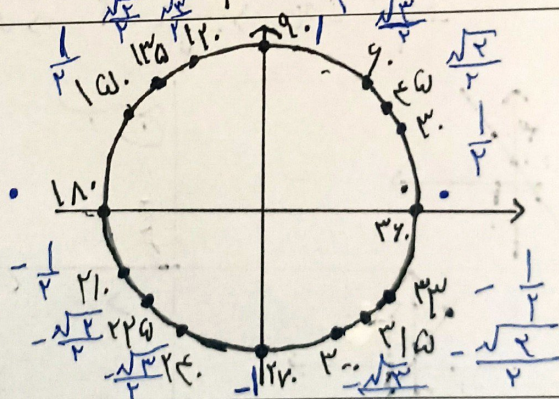
الف) $\begin{matrix} z-2 > 0 \\ z-1 > 0 \end{matrix} \Rightarrow \begin{matrix} z > 2 \\ z > 1 \end{matrix} \Rightarrow z > 2 \cap z > 1 \Rightarrow D_f = [2, +\infty)$

ب) $\frac{z^2+1}{z^2+1} \Delta < \Rightarrow D_f = R$ $\Rightarrow |z| + z^2 \neq \Rightarrow |z| \neq z^2$
 $D_f = R - \{0\}$

ج) $\begin{matrix} z-1 > 0 \\ z-2 > 0 \end{matrix} \Rightarrow \begin{matrix} z > 1 \\ z > 2 \end{matrix} \Rightarrow z > 2 \cap z > 1 \Rightarrow D_f = (2, +\infty)$



کسینوس



سینوس

الف) $\frac{1}{2} \rightarrow \frac{2\pi}{3}$ قرینه کسینوس

ب) $\frac{-\sqrt{3}}{2} \rightarrow \frac{5\pi}{6}$ قرینه کسینوس

جواب $\frac{1}{2} = \frac{5\pi}{6}$ و $\frac{\pi}{6}$ سینوس

سینوس $\frac{5\pi}{6}$ و $\frac{4\pi}{3}$ $\frac{-\sqrt{3}}{2}$ جواب