

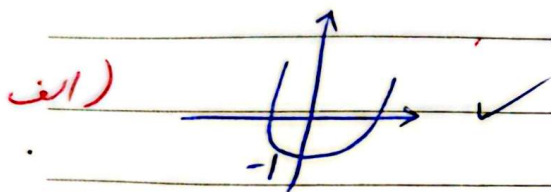
هم قدر 3

کلیف 1

اوسا ستمس

الف) $y_1^3 = 2x_1^3 - 1 \xrightarrow{x_1 = x_2} y_1^3 = y_2^3 = y_1 = y_2 \checkmark$
 $y_2^3 = 2x_2^3 - 1$

ب) $y_1^3 + y_2^3 = 2x_1^3 - 1 \xrightarrow{x_1 = x_2} y_1^3 + y_2^3 = 2y_2^3 + y_2^3 \checkmark$
 $y_2^3 + y_2^3 = 2x_2^3 - 1$



ج) $y_1^3 = 2x_1^3 - 1 \xrightarrow{x_1 = x_2} y_1^3 = y_2^3$
 $y_2^3 = 2x_2^3 - 1$

ب) $|y_1| = x_1^2 - x_2 y_1 + 1 \xrightarrow{x_1 = x_2} |y_1| = |y_2|$
 $|y_2| = x_2^2 - x_2 y_2 + 1$
 $x \pm y = \pm y$

د) $\sqrt[3]{y_1} = 2 - \sqrt[3]{x_1} \xrightarrow{x_1 = x_2} \sqrt[3]{y_1} = \sqrt[3]{y_2}$
 $\sqrt[3]{y_2} = 2 - \sqrt[3]{x_2}$
 $y_1 = y_2$

الف) $\frac{\sqrt[3]{3}}{2} = \frac{2\sqrt[3]{3}}{2} = \sqrt[3]{3}$
 $\frac{1}{2}$

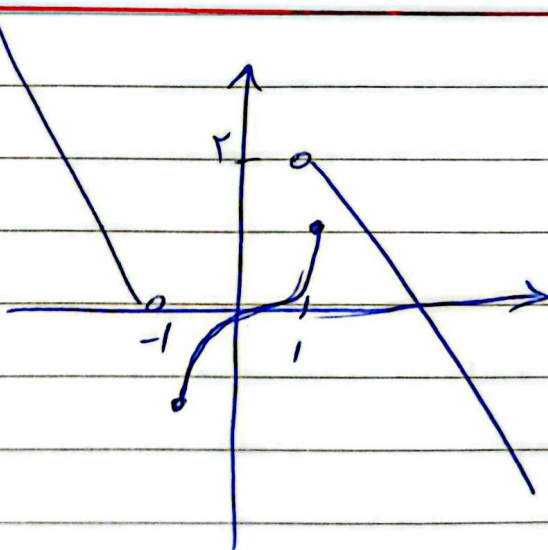
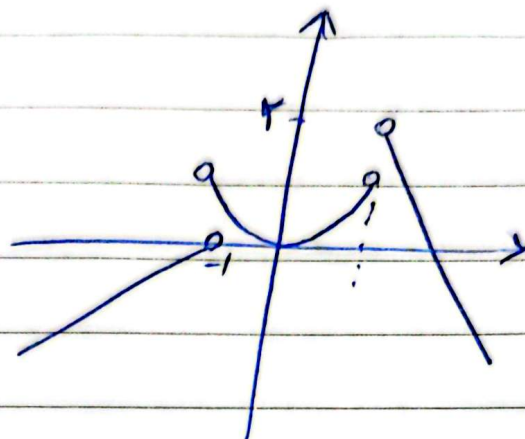
ب) $-\frac{\sqrt[3]{3}}{2} = \sqrt[3]{3}$
 $-\frac{1}{2}$

ج) $-\frac{1}{2} = -\frac{2}{2\sqrt[3]{3}} = -\frac{1}{\sqrt[3]{3}}$
 $\frac{1}{\sqrt[3]{3}}$

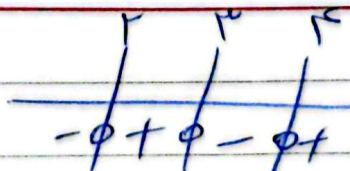
د) $\frac{-1}{0} \rightarrow$ تعریف نشده

الف) $a = \left\{ \frac{\pi}{4}, \frac{5\pi}{4} \right\}$

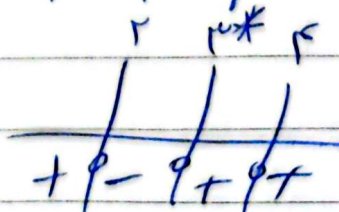
ب) $a = \left\{ \frac{\pi}{4}, \frac{5\pi}{4} \right\}$



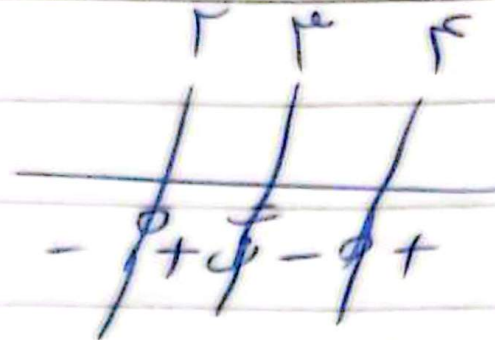
الف) $[2, 3] \cup [4, +\infty)$



ب) $(-\infty, 2] \cup \{3\} \cup [4, +\infty)$



الف) $[2, 3) \cup [4, +\infty)$



Δ

ب) $(+\infty, 2] \cup \{3\} \cup [4, +\infty)$

