نام و نام خانوادگی: [illegible] پاسخنامه تشریحی تکلیف شماره ۳۲ کلاس: [illegible] B

۱

$A\,\big|\,{3 \atop 1} \rightarrow 9a+3b+c=1 \Rightarrow 16a+c=1$

$\boxed{-\frac{1}{2}x^2 - x + \frac{17}{2} = y}$

$B\,\big|\,{-1 \atop 9} \rightarrow a-b+c=+9 \Rightarrow \frac{-b}{2a}=-1 \Rightarrow b=2a \Rightarrow -a+c=9$

$C\,\big|\,{-5 \atop 1} \rightarrow 25a-5b+c=1 \Rightarrow 15a+c=1 \rightarrow a=-\frac{1}{2},\ b=-1,\ c=\frac{17}{2}$

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$\frac{m+6}{2} > 0 \rightarrow m > -6$

$\boxed{-6 < m < 0}$ (crossed out)

$\frac{-m}{4} > 0 \rightarrow -m > 0 \rightarrow m < 0$

$\rightarrow m^2 - 8m - 48 > 0$

$\rightarrow (m-12)(m+4) > 0$

x		-4		12	
P	$+$	0	$-$	0	$+$

$\boxed{-6 < m < -4}$

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$\frac{-2m+1}{3} = \frac{3}{2-m}$

$9 = -4m + 2 + 2m^2 - m$

$2m^2 - 5m - 7 = 0 \rightarrow (m-\frac{7}{2})(m+\frac{2}{2})$

$\boxed{m=\frac{7}{2},\ m=-1}$

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$x^2 - x - 4 = 0 \rightarrow x = \frac{1 \pm \sqrt{1+16}}{2}$ ($\sqrt{17}$)

$(\alpha^3 + \frac{1}{\beta})(\beta^3 + \frac{1}{\alpha}) = P$

$\alpha^3 + \beta^3 + \frac{1}{\beta} + \frac{1}{\alpha} = S$

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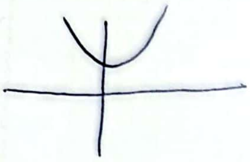
واقعا این سوال تو کنکور بوده؟!!

خیلی سخته ☹

$3x + x = 4x$

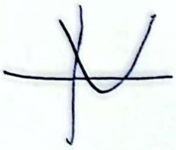
$\frac{a}{3} = 4x \to a = 8$ و $-8 \to$ اختلاف $= |8 - (-8)| = 16$ ۶

$\frac{4}{3} = 3x^2 \to x^2 = \frac{4}{9} \to x = \frac{2}{3}$ و $-\frac{2}{3}$

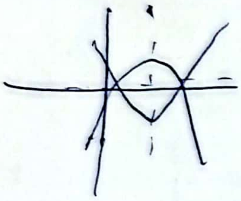


$\to \underbrace{4a^2 + 9 + 12a}_{\text{دلتاش منفی}} < 0$

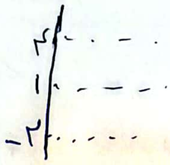
$\to$ **هیچ حالتی** ۷



$\to 4a^2 + 9 + 12a > 0$



$\to y = 1 \to$



$\to b = 4$ ۸

$\frac{2}{-2} = -1 \to \frac{-a}{2} = -1 \to a = 2 \to ab = 8$

$\frac{-a}{4a} = -\frac{1}{4} = x \to \frac{b}{2} = \frac{20}{16} \to b = \frac{20}{8}$

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$\frac{a}{4} = -\frac{1}{4} + \frac{2}{4} = \frac{1}{4} \to \boxed{a = 1}$ $\quad -\frac{b}{2} = \left[\frac{20}{32}\right] = 0$

$1 + 2 - 3m = 0 \to m = 1$ و -7 $\qquad x^2 + 2x - 3m = x^2 + 6x + m$

$-4m = 4x \to x = -m$

$-m + 3 = 2 \to -m = -1$ ۱۰

$m = 1$ غ ق ق

$1 - 3m = 2 \to m = -\frac{1}{3}$

$m = 5$ ✓

$1 + m = 6 \to m = 5$ $\qquad \to x = -1$ و $x = 3 \to |3 - (-1)| = 4$