Aptitude Assignment 3

- 1. Write two quadratic equations such that the sum of roots equals twice the product of roots? $\frac{2x^2-3x-2=0}{3x^2+2x-1=0}$
- 3. Find possible coordinates of (x,y) such that point (1,1), (2,2) & (x,y) are collinear? $\frac{1}{2}$ $\frac{1}$
- 4. Find out all possible values of a & b for which the ratio of a^3+b^3 to a^3-b^3 is 1:1 a,b are real numbers. $\rightarrow \alpha n_3$: $\alpha = 2 + b = 1$
- 5. The triangle area formed by the lines y=x, y-axis and y=3 line will be?



(102 ° L.Q	Un2+6n+C=0
	sum of 900 b = - b/a
	product = c/a
	/ ()
	A/C, $-b/c$ = a/c
	701 /01
	≥ 2 x² - 3x -2 = 0
	N= -b± \b2-40C
	2 Q
	n = 2 - 1/2
	′∠
	anomos equation,
	3 42 +2x -1=0
	$\chi = -l \cdot l_2$
	13
	Paro equations are
	2×2-3×-2=0 -0
	3x2+2x-1=0-Q
Q.3 Sol)	et lines une collènear then, slope of them one same
	Slune = 40-41 - 2-1 - 1
	$Slype = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2-1}{z-1} = 1$
	30. (1.1) (2,2) , collinear 10-ordinates ore
	(2,2)
	[u,u) where n'is seed number will be = (0/1/near with (1,1) & (2,2)

