Aptitude Assignment 3

1. Write two quadratic equations such that the sum of roots equals twice the product of roots?

2. 2x+3y=12 has (2,3) as its solution or not?

3. Find possible coordinates of (x,y) such that point (1,1), (2,2) & (x,y) are collinear?

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.

5. The triangle area formed by the lines y=x, y-axis and y=3 line will be?

ANSWERS:-

1) The equations are x^2-5x+6=0 and x^2+5x-4=0.
2) The equation evaluates 13 not 12. Therefore,(2,3) is not a solution to the given equation.
3) The possible coordinates possible for (x,y) which satisfy the condition are (1,1),(2,2),(3,3),(4,4).
4) 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 any real number and b is 0.
5) The triangle area formed by the lines y=x, y-axis and y=3 lines is 0.