Aptitude Assignment 3

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

   $2x^2 - 3x - 2 = 0$ $3x^2 + 2x - 1 = 0$

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

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

   any point of the form (n,n) where n is real no

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.

   a=2,b=1 or 3

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

   4.5 sq unit