

---

## 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?

