

Aptitude Assignment 3

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

Ans— $2x^2-32x+16=0$, $3x^2-48x+24=0$

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

Ans- No Soltution

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

Ans-(x,y) is (0,0)

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.

Ans- $a=2, b=-1$

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

Ans- $\frac{y}{2} |1+x|$