Aptitude Assignment 2

1. What quantity of water should be added to the milk water mixture so that the milk water ratio changes from 2:3 to 4:11. The quantity of milk in the mixture is 40 litres? 20 ltr of water

2. Linear equation 2x+3y=0 meets the x & y-axis at the point? 0,0

3. a & b are positive integers such that a^2-b^=19. Find a & b? a=10,b=9

4. Find a^+b^3+c^3+3abc , where a+b+c=5 & , a^2+b^2+c^2=10? 12.5

5. Sum of two, two-digit numbers is a perfect square. The digits of the first two-digit number are two consecutive positive integers; also, when the digits of the first number are reversed, the second number is formed. Find these numbers & the square root of their sum.

    numbers:23 and 32 ,root of sum :square root of 55