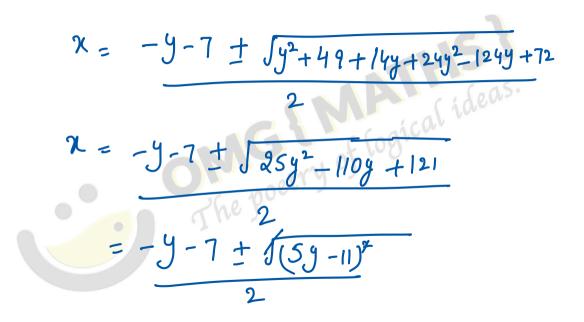
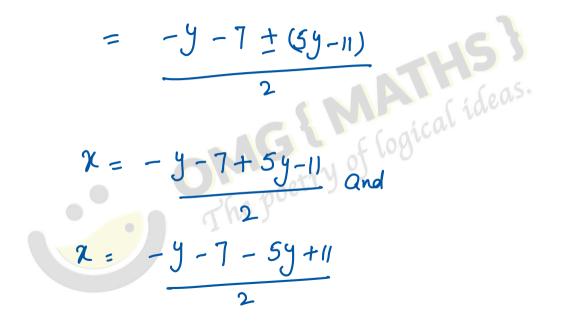


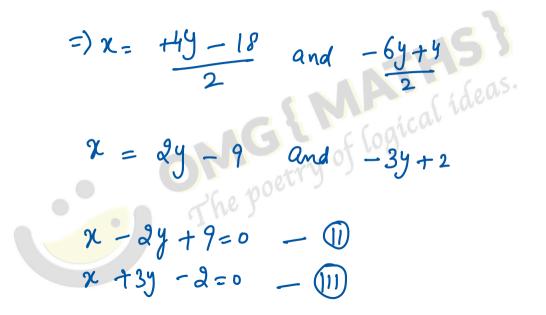
Sol- Gliven eg. is $\chi^2 + \chi y - 6y^2 + 7\chi + 31y - 18 = 0 - 0$ with Compare () $ax^2 + ahxy + by^2 + agx + afy + c = 0$ $a = 1 \int \frac{h}{h} = \frac{1}{2}, b = -6, g = \frac{1}{2}, f = \frac{3}{2}$ C=-18 $tan0 = 2 \int h^2 - ab$ 1946

 $= 2 \int \frac{1}{4} - (1)(-6)$ al ideas. 1+(-6 25 X X = 5=1

tan0=1. $\chi^2 + \chi y - 6y^2 + 7\chi + 31y - 18 = 0$ 22 + (y+7)x + (-6,y2 + 31y - 18)=0 $-(y+7) \pm \int (y+7)^2 - 4(-6y^2+3)y-b^2$







The fine farallel to (1) is x - 2y + K = 0 - 10 Passes through (1,2) (Given) 1 - 2(2) + k = 0- 4+K=0 K= 3.

x - 2y +3=0 e). Corallel to (11) is aical ideas. x+3y+>=0 -0 Passes through (1,2) (given) (v)1+6+ 2=0 7+2=0 =) 2=-7

2+34 -7=0 x - 2y +3=0 (x+3y-7)(x-2y+3) = 0 $\chi^2 - 2\chi y + 3\chi + 3\chi y - 6y^2 + 9y - 7\chi$ 21 = 0 $xy - 4x - 6y^2 + 23y - 21 = 0$