NAME: KALU RICHARD IHEANYICHUKWU

MATRIC NUMBER: 19/SCI01/057

DEPARTMENT: COMPUTER SCIENCE

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Assignment
 1) x = y - 14 = 0 - - - (1)
  912+42-6x+84=0 --- (a)
    N= 2+1+ ---- (M)
  Substituit equation (16) ents (17)
  (4+14)2+92-6(4+14)+29=0
  y2+28y+196+y2-6y-84+8y=0
   242+304+112=0
    24° +364 -- 112
    92+159+56 = b
    y2+4y+8y+86 D
  9(4+4)+8(4+4)=0
   (4+8) (4+4)=D
  y=-9 ex -7
 Since x = 4+14
  echan y u -7
  x=-4+14
  204
  toher y is -8
  212-8-14
   X = 6
 points of intersection = (4,-4), (6,-8)
2×+y-10+0 ---(i)
  x2+y2+4x-6y=0 -(1)
   y=10-2x --- (111)
  Substitute (in) into (i)
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36 + (10-2x)2+4x -6 (10-2x) = 0
 X2+100-40x+4x2+4x-60+12x=0
  5x2+40-24x=0
  5x2-24x+40=0
 x = -b ± 162 - Hac
       2.5
 >6= -(-24) ± J(-24)2-4[5×40)
        -2 (S)
 N : 24 生 J-224
If the disaminant (being the expression 12-40 e) has a value
which is negative, there will be not 2-anderopt the there is no
real number for the solution.
x^2 + 25y^2 - 6xy - 16 = 0
N=5y+2 (11)
Substitute (111) into (11)
 $5y+2)2+25y2-6y(5y+2)-16=0
25y2+20y+++25y2-30y2-12y-16+0
  2042 + 84 - 12 = 0
 0042 + 004 - 124 - 12 = 0
201(4+1)-12(4+1)=0
(26y-12)(9+1)=0
 y=3/s 1 -1
 gence no 5y+2
 when 923/5
  x=5($/5)+2=5
 when y=-1
                    : point of intersection : (5, 3/5), (-3, -1)
 71:5(-1) +3 = -3
```

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