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Department: Mechatronics Engineering

Matric Number:19/ENG05/024

Date submitted: 05/09/2020

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1 2-4-14-0 -601
  n2+y2-62+84=0-e92
  from equation 1,
   y=2-19 -eg3 - (AS) + (AS)-
  Substitute y into eg 2
   n2 + (n-14)2 -6n +8 (n-14) =0
  n^2 + n^2 - 29n + 196 - 6n + 9n - 112 = 0
   2n2 - 26n +84 =0
   -6 \pm \sqrt{b^2 - 490} = -(-26) \pm \sqrt{(-26)^2 - 4 \times 2 \times 84}
  = 26 ± 1676 - 672
   = 26 + \sqrt{4} = 26 + \sqrt{4} or 26 - \sqrt{4}
                  = 7 or 6
  for the values of y, sub a nito eg 3
                                        n=6
   y = 7 - 14

y = -7

P1 = (7, -7)
  |2x+y=10=0 - eq 1
|x^2+y^2+4x-6y=0 - eq 2
   from equation 1,
    $ = -2n + 10 - ou z
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Sub eq3 mb eq 2
    n2+(-2n+10)2+4n-6(-2n+10) =0
   nº + fnº - fon + 100 +4n + 12n - 60 =0
    52° -242 +40 =0
   -b+ 162-491 = (-24) + 1(-24)2-05×4×40
             = 34 \pm \sqrt{576 - 800}
     29
         CON M. M. W. Chieb hope one of brook of wind O - M. M. B
3n-5y-2=0-eq!

n^2+25y^2-6ny-16=0
                             (pi-ci-2K) (41+3i-K) =0
                                            1p= 15
   from equation 1
   y = 2-n-sq3
  Sub y mhv 29 2

n^2 + 25\left(\frac{2-\pi}{-5}\right)^2 - 6n\left(\frac{2-\pi}{-5}\right) + 16 = 0
  n^{2} + 25\left(\frac{1-4n+n^{2}}{25}\right) - 6n\left(\frac{2-n}{-5}\right) - 16 = 0
    n^2 + 36 + 4n + n^2 + 6n(2-x) - 16 = 0
   2n^2 + 2 - 4n + 12n - 6n^2 = 0
   \frac{4n^2 - 8x - 12 = 0}{5}
   ! n=5, n=-3
  sub n into og 3
   n = 5
n = +3
n = +3
n = -3
   y=2-5=3 y=2-3=-1
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