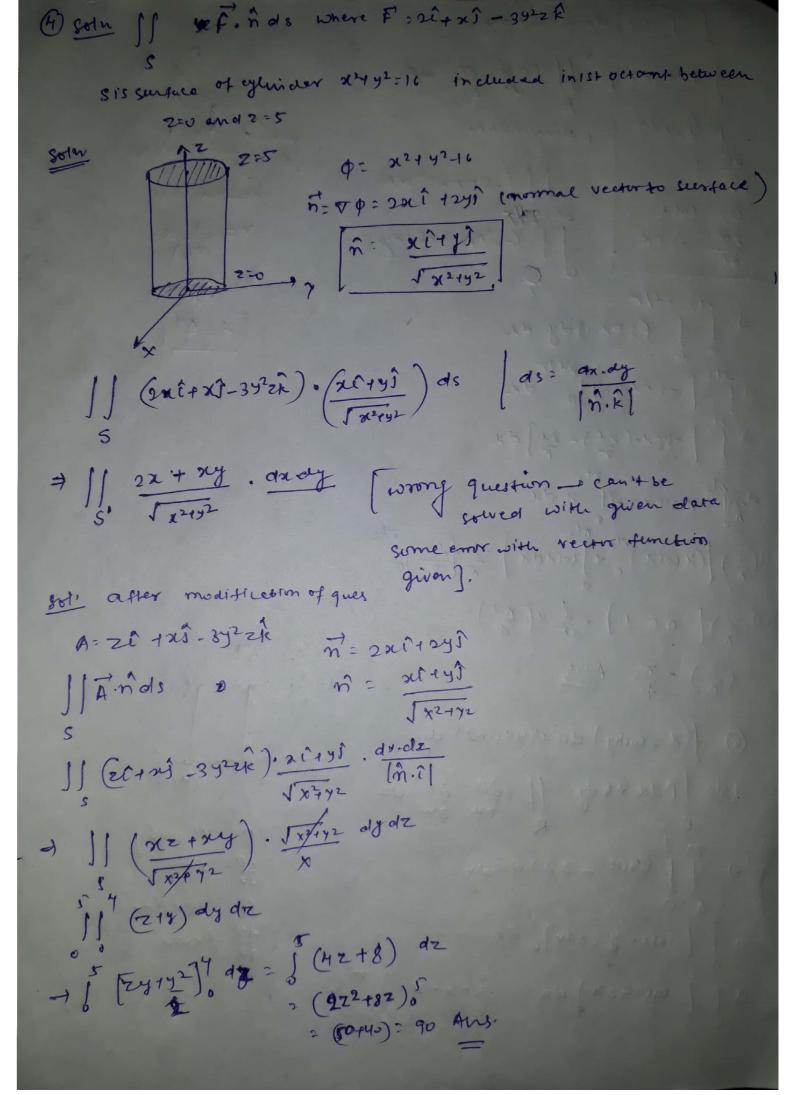
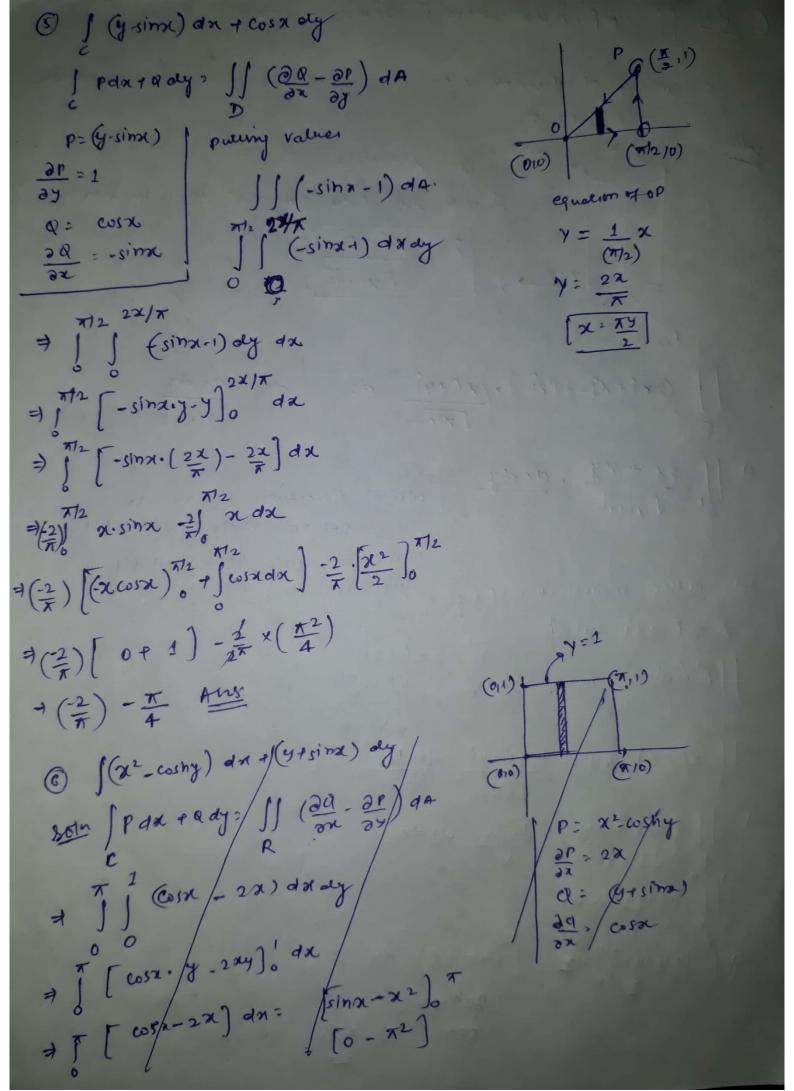
```
Name: - Suman singh southak
  ROHNO : 1376
  Batch :- All (civil).
 5= 2t2 & +6t R
                                              î k
     1 8 x s'out = ?
                                                -t2 (1-1)
50, ] - 675 î + (2+3-8+2) î +24 4 k dl-
                                        2 (-6+3)-5 (B+2-(-1)2+2)+ F(+2+1)
                                    = -6t^{3}\hat{l} - \hat{J}(6t^{2} - 2t^{3} + 2t^{2}) + 2t^{4}\hat{k}
=> -6[t4] 21+ [2t4 - 8t3] 21+ [2t5] 2 k
=> - 1 x 18 î + [2x+6+ - 9x8) ĵ + [2x32] k
= -242 + (-40)3 + 54 R
= -24î - 40ĵ + 64 k Ans
 2) golm 9: x2-4 from A(210) to B (4,12) in x-y plane
                                        Q(4.12)
      F = xyî + (x+42) 1
  x^2 = y + 4
x^2 = y + 4
    verser (0,-4)
                                           Y: x2-4
    F.ar
                                           dy2 2x da
   ] [ory ( +(x2+y2))) ]. [dx( +dy)]
 = 1 xydx+(x2+y2) dy
  =) [x(x2-4)+(x2+(x2-4)2).2x] dx
      2 = \int_{-\infty}^{\infty} \left[ x^3 - 4x + 2x^3 + 2x \cdot (x^2 - 4)^2 \right] dx
```

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$$= (12 \times 2 - 12 \times 2)$$

$$= (12 \times 2 - 12 \times 2)$$

$$= (12 \times 2) \text{ dx oly dz}$$

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$$= (12 \times 2) \text{ dx oly dz}$$

$$= (12 \times 2 - 12 \times 2)$$

$$= (12$$

(10) II v. ds = III divo div diergeme theorem ð: χί + yĵ +εκ (et(say) div t: (1+1+1)=3 → (1 ∂ + j ∂ + k ∂)·(χί + yî + νίε) = (2x + 2y + 2z)=(3) volume of sphere: 3 x 83