## Exercise 14.1

## Assignment B Date

**Q5** 

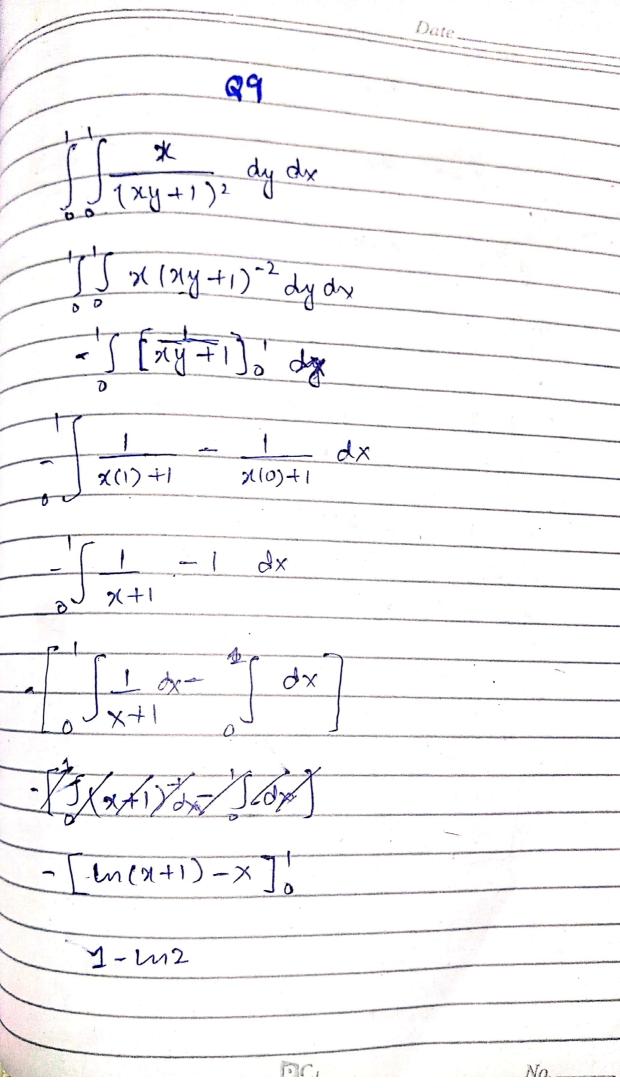
Q7

of a s

[x] 2 dy

3 Joly

B[y]-,



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## 915

S x√1-x2 dA R= {(1,y): 0 ≤ x ≤ 1, 2 ≤ y ≤ 3}

3 1 x 11-x2 dxdy

 $-\frac{3}{2}\int_{0}^{2}-2\times\sqrt{1-x^{2}}\,dx\,dy$ 

 $\frac{3}{2} \left[ \frac{2(1-x^2)^{3/2}}{3} \right]_{3}$ 

 $\frac{-1}{2} \int \left( \frac{3}{3} (0)^{3/2} - \frac{2(1)}{3} \right) dy$ 

 $+\frac{1^{3}}{2}\int \frac{2}{3} dy$ 

+1[y]3

+1

