Test

Name

Find the anti-dentative + c for all

1 289x

3 Sxdx 3 Sxdx

(4) Ssin4xdx (5) Sec26xdx (6) S2X+1dx

3 Sexx 8 Sexx 9 Sx2+8 dx

(10) Seclintanized (11) Stred (12) Sx(x2-1)3dx

 $\int \chi^2 e^{\chi^3} dx$

(14) S (2x+1) 6 dx

Part B. > Find the area Delan the curve using integration

1) y=2x [0,4] 2) $y=x^2[1,3]$ 3) $y=(1-x)^2[0,4]$

Part C > Find the average value of the function $0 y = x^2 \left[0, 4 \right] \quad 2) \quad y = e^{2x} \left[0, 3 \right] \quad 3) \quad y = \sin 2x \left[0, \frac{\pi}{4} \right]$