



Sudv = uv - Svdu

Shx VX dx = ln x = 3x32 - 5 = x32 - yx  $\ln x \sqrt{x} dx = \ln x / \frac{2}{3} x / 2 - \sqrt{\frac{2}{3}} x / 2$ My 3 x 3/2 - 2/3 (1/3 x 3/2) -> lu x 3 x 3/2 - 4/9 x 3/2 + C 4. Jye<sup>0.2</sup>/dy u= y dv= e<sup>0.2</sup>/dy du= 1dy WHE'S = e . 24 = Ne y = 21e x dy = 5/e ( = x 2)  $\frac{5/e y^2}{2} + \left( \int ye^{0,2y} dy = y \left( \frac{5/e y^2}{2} \right) - \int \frac{5/e y^2}{2} dy \right)$ 13/2 1/2 dy = 1/3/2 (1 x3) 1 2 - 4 te + (