Start here for Question Number: 2

$$y' = \frac{\cos u}{u'}$$

$$y' = v u' - uv'$$

$$x = 4, -3$$

(c)
$$y = \ln(3x)$$

 $y' = \frac{3}{3x}$

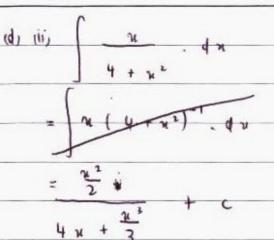
$$q + n = 2$$

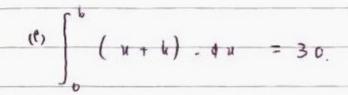
$$q + a dienf = \frac{1}{2}$$

$$\frac{(d) = (i)}{\int (5 + 1)^{\frac{1}{2}} dx}$$

$$= \frac{3}{2} (5 + 1)^{\frac{3}{2}} \times 5 + c$$

$$= \frac{15}{2} (5 + 1)^{\frac{3}{2}} + c$$





$$\left[\frac{x^2}{2} + k u\right]_0^6$$

$$(18 + 6k) - 0 = 30$$