







6. determinar as derividas $y' = (x^2-1)^4 \cdot (x^3-) \cdot (x^3-) \cdot (x^3-) \cdot (x^3-)$ x3-lm(x) (x3-run(x))2 2x. (x3-1m (x)) - (x2-1) 3x2-(x) (x3-m(x))2 (ii) $y = (x - \cos x^2) \cdot \ln(3x^4 - 2)$ 41= (x-cox2). In (3x4-2) + (x-cox2). (In (3x4-2)) (2x 1m(x2)+1), Im(3x4-2)+(x-(8)x2). 12x3 (iii) y= tg(x3-7x) - 3 + cotg (5x) y= (+q(x3-x)) - [3+cotg(5x)) 41- Mc2 (x3-7x) (3x2-7) - (-5 cone? (5x)) (iv) $y = 3(4x^3 - 5)^5 (-3) + e^{x-x^2}$ 9(11)= 3.(11)5= 15.(4)41 91 $u(x) = 4x^3 - 5 = 12.x^2$ -D 15(4x3-5).12x2 - 18 + e^{x-x^2} (1-2x) 15.(u)4, 12x2 15 (4x3-5), 12x2

(V) $y = (1 \times (3 - 2 \times^3)) + (core(2 \times + 4)) + (\sqrt{1 + x^2})$ $y' = -4 \times (3 - 2 \times^2) + core(2 \times + 4) + 2 \cot(2 \times + 4) \cos(2 \times + 4)$ (X2+1) 1/2