(1)m cos(x+4x)) + 11m(2+51m42 27.11. 1) y=3x2 p'= 1/m A4 t 1im 0/0=1 14=fu+1x)-pexal 19-3-(3+1x)2-3x2=3(x+2x-1x+4x2-3x2= = EDS IIM COSK . 1 = COSX = 3, 246x 4x + 4x 2 - 3x 2 = 3Ax - (2x + 4x) f(x)= 1im Ag = 1im B. Ax(2x+Ax) N 716 1) A(x) = 3 - 5x+1 =9. x -5x+1= = 13m -3 (2x+4x)= 3-12x+1 1im(2x)+1im 4x= = [ (xt) = L.x2-2; (a) = ax. Ina A (4(x)) = P qu . 4" (0+ ut = v+ u) =6x = (9. x ) - (5x+4) = 3.(x -43) x - (5x-4) 2) 4=5 inx (x+1) = 3. (-2) x +3-1 -5 x 1/4 5 (x +1/2) = -6.2 -5/3 19= 5/0(X+1X) - fin (x) = 2.5in 2 -5×+1.1 n5 -1= -6.X = -5×+1, In 5 · cos x+1x+x - 2.5in 2 . cos(x+ 1x) y = 15m Ax = 11m 2. sin x. cos(x+2)

2) 4/1 ( rotal) 2)p(x) = (x = x) (3t 5x -1) A'(x) = (1x4-x x3+9x-1) = (x4-x) (3+9x-1) + + (x4-x). (3+3x-1) = (4x3-1)(3+9x-1)-(x4x)(3-5) 1- 1003 = 1 2 - arctg?' = 1 p(19(x) = p(u) ? 3 - 3x = 31) 29 = 510 x 1 3 3 3 113x) 2 3 = (+9,7) a roco(x) 4= (sinx) = ((sinx)2) = = 2. (sinx)x = +2. 65x5inx (1ny) = y = y = y = y (ny) 8) y'= (sinx)'= cosx cosx= Bi (25in costand 1) 9= x sinx 104= 10 X (103ab = c. cogeb) Iny = sink . Inx (179) = (5inx . /1x)

Jessel - In the stex world = 8 = 4. (losy dex + 5:0x) = x al. (0.9x day 9= 041) 3 442 10 y= 10 1 3/142 12 9= 10 (x-1) + 10 [42 - 10 Hans 11923.14(x-1) 2 = 18(K+2) + = 18(NH1) 100) = (310(x-1) + = 10 (x+2) -= 10(x+1) y'= y. (x-1 + 2/x2) - 3(x41) =