Domanul posome

N 6 1.2.

1) 4= 2"

(y)'=4xc3

(y)"= 1200°

2) y=3-5x+x3

(y)'=-5+8x2

(y)"- G De

3) 4 = 1

(y)'= - (x-1)2 = (x-1)2

 $(y)'' = (-(x-1)^{-2})' = 2(x-1)^{-3} = 1$ y = xin = 0

= (x-1)3

4) 42 3/2°

cy) = 3 3/12

(4)"= = (-3) x===

z - 3 x 3/x2

5) y= (1.3x)2

(4) = -3 · 3(1-300)2-

1 - 0 (1-50)2

1 4)"= -18(-3) (1-30):

- 54-16216

6) y- coses

(4) = (cos ex) = - e since

(y)"= -4 coren

(y) = 2 sin oc - cos = sinex

(y)"= 2 cos 2 x

8) yrx corre

(4) = (x') ags oc + ccosse) x =

= cosoc - sinx oc

(y) = (-finx) - ((inx)'-x+

+ (sc) sinx) = - ginsc - cossc o1.

- kinx - 2 sinx - conx x

 $S_{2}(t) = \frac{t^{3}}{3} = \frac{t^{2}}{2} + \delta t - 8$ $C_{2}(t) = t^{2} + t + 5$ $C_{2}(t) = 2t + 1$ $C_{2}(t) = 2t + 1$ $C_{2}(t) = 2t + 1$ $C_{3}(t) = 2t + 1$ $C_{4}(t) = 0$ $C_{4}(t) =$

NS1-11

1) $y = x^3 - 2x^2 + x - 2$ $(y)^{1} = 3x^2 - 4x + 1$ $(y)^{1/2} = 6x - 4 = 0$

- 12 x

2) $y = 3x^{2} - 67x^{3} + 12x^{2} - 5x + 4$ $(y)' = 4x^{3} - 18x^{2} + 24x - 3$ $(y)'' = 12x^{2} - 36x + 24 = 0$

Oryana bopy f(sc): $x \in (-\infty; \frac{2}{3}]$ Oryana bouy f(xc): $x \in [\frac{3}{3}; +\infty)$ $x \in [\frac{3}{3}; +\infty)$

x2-3x+2=0 anyona Bropy s(x): T 26=3 xe [+; 2] x=1 Onyour Buy & (x): 20E(-011]U[e1+00) + >2 + >20 do=1,2 N 51.13 g= 3 x5+ 10x + 10x3-5x-4 Organo berus & (a); (y) = 15x 4 40x + 30x2-5 RE (-DI- MUEDI+D) (y)"= 60x3 + 120x2 + 60x = 0 Onyew brong sca); 60x(x2 + 220+1)=0 ICE [-110] 60x(0c 11)=0 x0=1.0 [x2-1 U 1 U 1/51.15 f(x) = zinen -2x2 8'(x) - 2 cosec - 4:0 cos 2 x = 2 Kgrewibe wereat

Dobyeco

3(x)7012ER