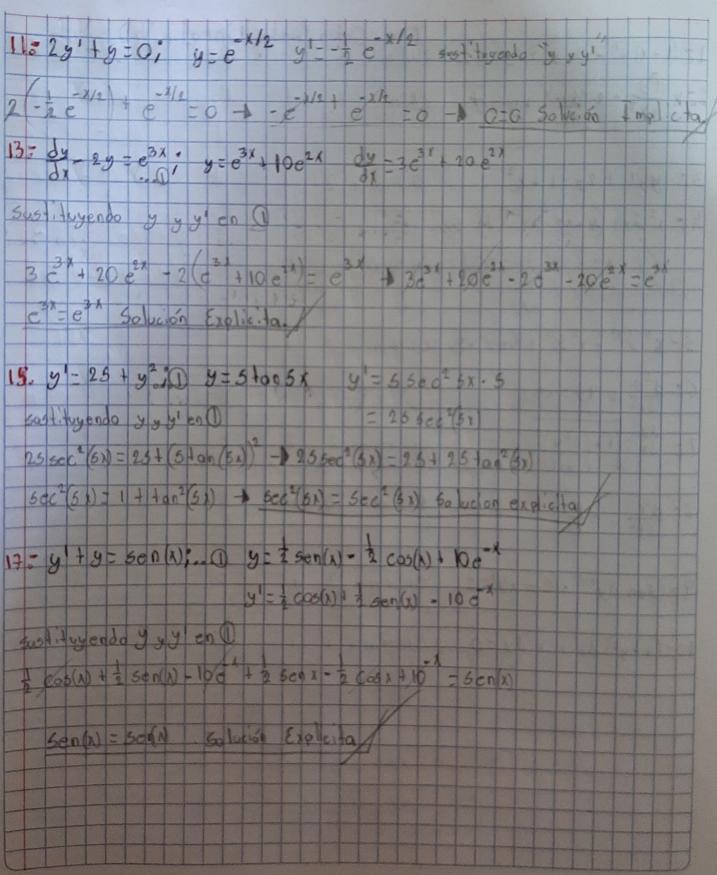
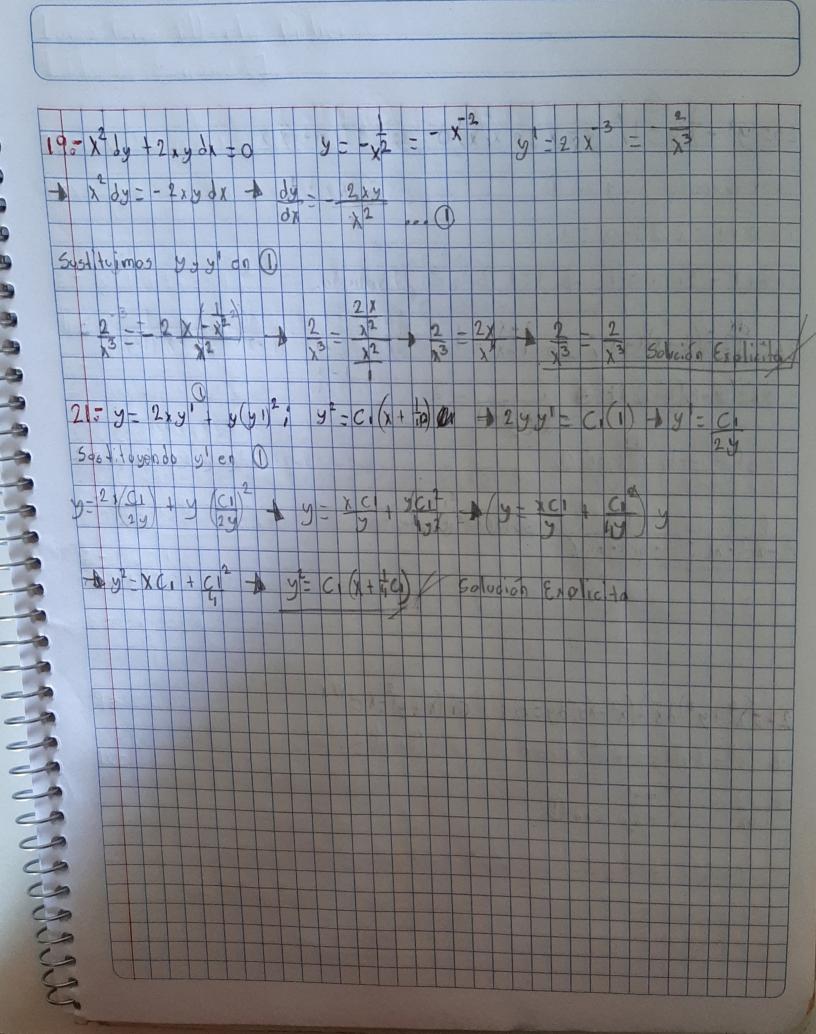
Lopez Perez Alberta Andrei Lista de Ejercicios 2:

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CARREST STATES





13: y - x y = 1, y = x J o x, x > 0 Sustituyendo y yy en D ニューナト In(x)+1-X X Jn(x)=1 I (x) + I - I + (x) - I 1=1 Solution 25- d+ - (2-x)(-x), In 1-x-+ 11-12 - 12 - N (1-N) dx = (2-x)(1-x) d+ (2-x)(1-x) = Sustituyendo diseni (1) -x1(1-x) C1 (X + y) = X C Y! X 27 2 x + y 2) dx + (x2 - xy) dy = 0; (2 - 19) 3 = - (2 + 42) 3 2 (1+ 41) - 10

295 91 = 69 + 139 = 010 y = 63 Cos 2x y = 3e3 (00) (2/x) - 203 5 6 2 x y"= 5 63 (05(2) + 12 63 510(2) Sachtuyenda y, y' y y' en 1 50 Cas(2x) - 12 c3 sin(2x) - 6(3e3 Cas(2x) + 2c3 sin(2x) + 13 e Cas(2x) =0 503 Cas(2x) - 126 sin 2x - 1803 Cas(2x) + 1203 sin(2x) + 13 e Cas(2x) =0 0=0 solución Implicita 31 = y = 9: 09 = cosha) + seoh(x) 4 - 5 in b(1) + cosh (2) Sustituyedo y y y en y = Cash(w + senh 1) Cosh(w) + Senh (w) = Cosh(w) + Senh (w)
Solveion Explicito 33 = 911 + (91)2 = 0 in Dy = I a |x + c 1 + C21 Svotituyendo giyyitand y = x + c1 + c2 y"= - (x + c + c e) (x+C+C2)2 (x+C+232 y = - (x+C+1)2 0=0 solveids Implicita

