

5. Sea x= 1-4, Y= 1+1 , 2= = cx 914 (f-4) = I 3136 (1233) = 214 +1 d/dt (sor (4)) = + cos (4) - sin (4) 5'(4)= (1, = 1 + cos (4) - sin (4) 6. S: +(4) = (24 , 78 - Sen(4) , In (1+24)) d (et-2) - et 14-21+1 d (74-sen(36)) = 7-coste) - (74-sin(4))(24+3)cos(21) (+2+511134))2 d (In (1+2+)) - c)c(+) (2 - In (1+2+) dot (+)) */+ = (e+1)+1 7-cos(+) - (7+-511(1))(2+ +3 cos (3+)) = (+2 + 5in (3+)) = (050 (4) (1+2+ - In (1+2+) cot (+))) 7. Sea x = \frac{1}{t} - \frac{1}{et} - \frac{1}{2} \frac{1}{4} \f de (+ et -1) = (et -1)2 - 1 d (2-2cos(t)-t2) - 2(t2+tsin(t)+11cos(t)-4)

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\frac{d}{dt} \left( \frac{3 \sqrt{(105 (t-1))^2}}{(105 (t-1))^2} \right) = \frac{2 (t-1)^2 \cot(t)}{3 / (t-1)^2 / 3} = \frac{3 \sqrt{(t-1)^2} \csc^2(t)}{3 \sqrt{(t-1)^2 / 3}}
 6)(+)= (10+-1)2 -1 /2(+2++sin(+)+4 cos(+)-4)
                              2 (4-1) cot (4) _ 3 (4-1)2 (5c2 (4)
 8. Sea + (+)= < 1+t2 , t-3t2/3+3t3-1 , In (+) > Sen(iit) >
   de (1++2) = 2+ csc (Ti+) = T(1++2) cot (Ti+) csc (Ti+)
\frac{d}{dt}\left(\frac{1-3t^{2/3}+3t^{1/3}-1}{(1-t)^2} + \frac{1+\frac{1}{t^{1/3}}-\frac{2}{t^{1/3}}}{(1-t)^2} + \frac{2(-1+3t^{1/3}-3t^{2/3}+t)}{(1-t)^3}\right)
d (In (t) )- (SC(Tit) - Ti cot (Tit) (SC(Tit) Log(t))
 11(t)= 2+ esc (11+) - 17(1++2) cot (11+) esc (11+)
                                escited - Ticot (Tit) esc (Tit) Log(+))
9.54 ((t) = (1-cos(3t)) 1 + (h(1+6t)) + (54+t-54-t) 2
d (1-cos (3+1) = csc2 (2+) (354(3+)) + 4 (cos (3+)-1) cot (2+))
d(12(1+6t))= 1+64-12(1+6t)
3 ( 14+t - 14-t )= 214+t + 214-t - 14+t - 14-t
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