(1, 0.88) and (8, 11.68) 11.68-0.88 = 10.8 a. m= 10,8 Calculator: Casio fx-9790 6 51 3.24-1.96=1.28/ (8, 1168), (9, 13, 32) 13, 32-11.68 1.64 6, [8,9] C. we use secant lines close to the tangent) he want to find to sucalculat Instantaneous rate of change (6, 8.13), CARSUN (7, 9.92) 9.92-8.13-1.79, d. m=1.79 (X+3)(Vx+7-2) > X-Vx+7+3Vx+7-2x-6

MATH 425

 $\frac{\sqrt{1}}{2x^{-1}} = \frac{\sqrt{1}}{\sqrt{1}} + \frac{\sqrt{1}}{\sqrt$

 $\sqrt{(\xi_{x^2+1})(3x^2-1)}$ $\times (2x+1)$

3. a. 1
b. #6 2--3
c.-6 2.7
d.-10 5.2
e.-1 1+2
f. 2-2 -7
g. 4 2-2

a. Un [61] (2) + 2 = 6 2/2=1 b. no. jump discontinuity at t=2 x+2. 7 time C. [2,2] 4/2=2 2(4)-6=2 d. yes, lim = lime x > y + x > y +

