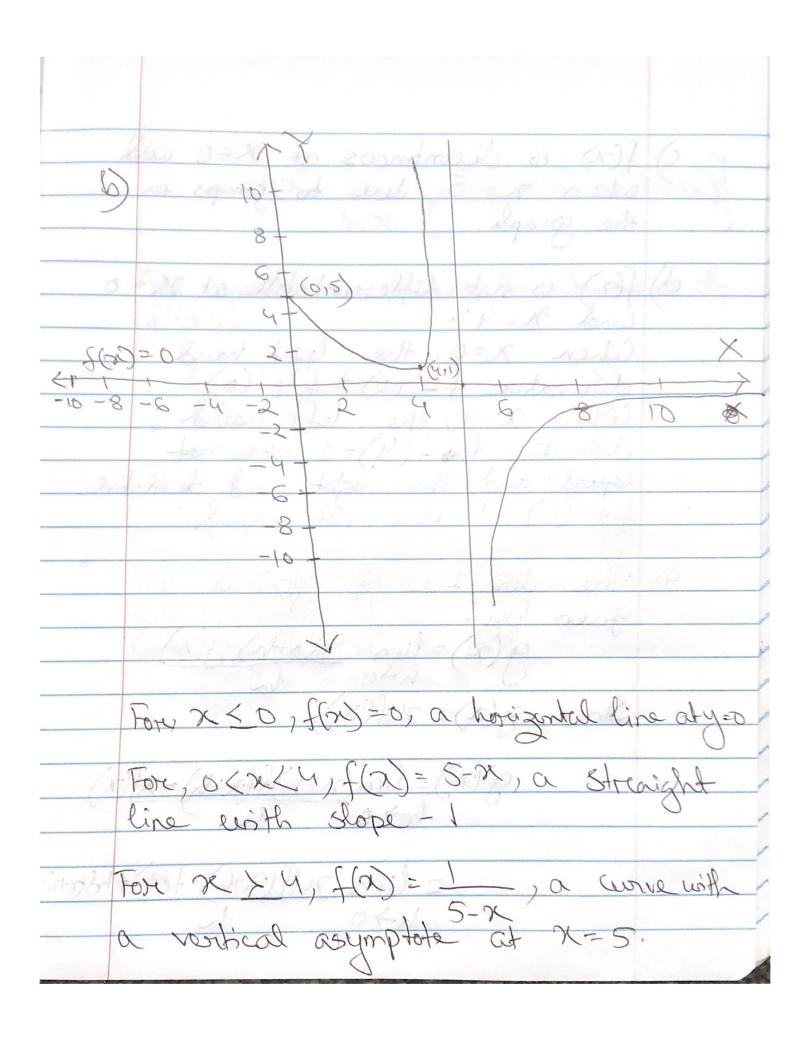
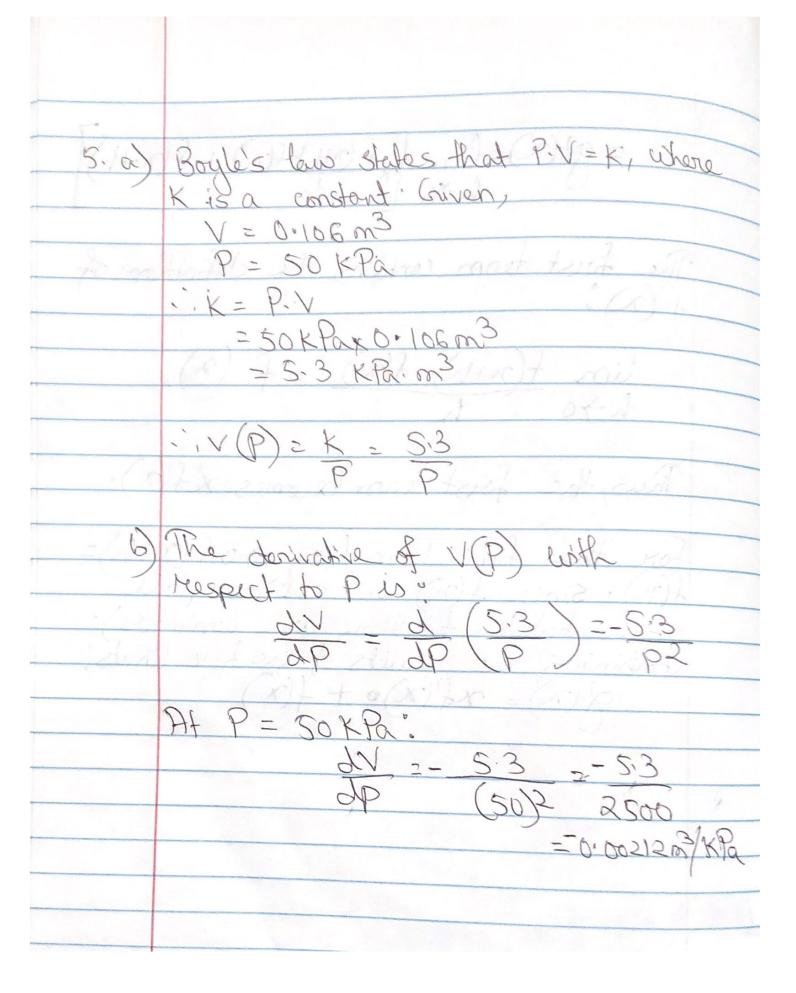
The left hand derivative 2 lin 5-X- Reves f-(4)= lim f(4+h -h, and (1-h)-1)=-12611-1061 A So, F

ine das s h+0t, 1-h + 1" f+(4) = 1), the derivative + (4) does not

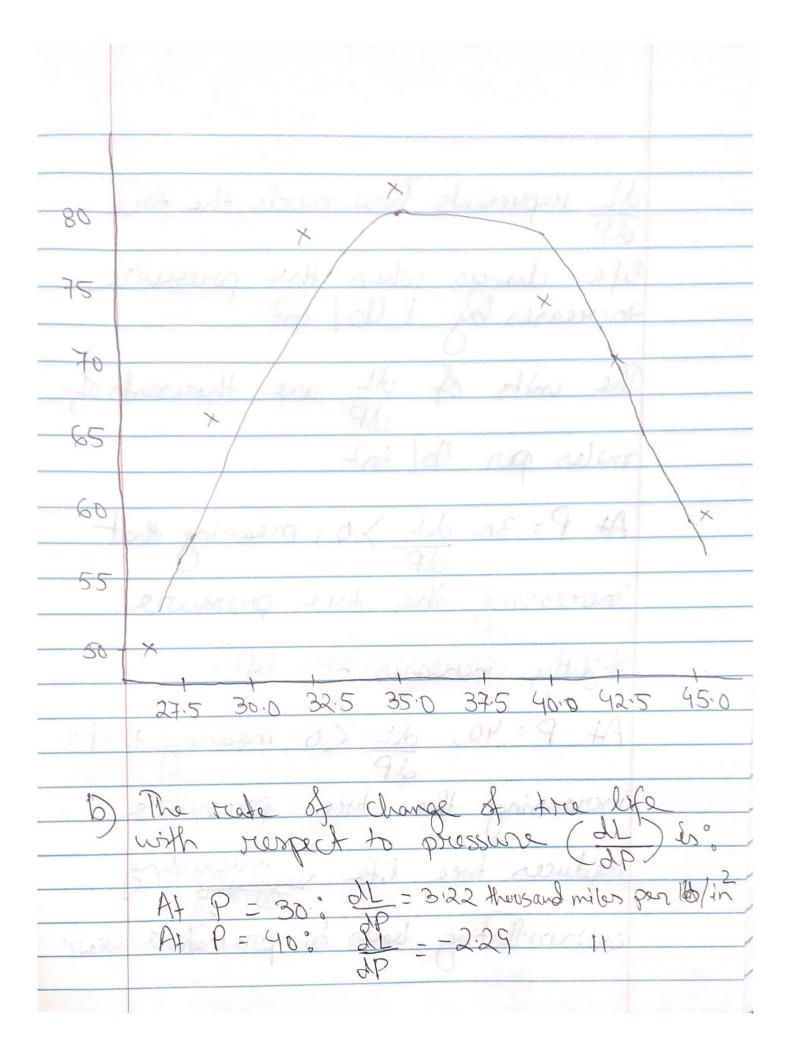


) for is discontinous at x=0 and when x = 5 due to groups in the graph. (a) is not differentiable at x=0 derivative + +- (4) equal and the right hand derivative 4) The derivative of given by 97 (2) = lin (2+h)

rest term contains the definition of Thus, the first term becomes x f'a or the first torm, lin 70 f (X+h)= differentiable functions are continous) Combining the results of the two limits g(x) = xf(x)o + f(x)



The derivative of represents the rate of change of the volume with respect to the pressure P. The units of du one m3/KPa. [28,28, 31,35,38,42,45] [50, 66, 78, 81, 74, 70, 59] The quadratic fraction that models tire life at a fraction of pressure is P)=-0.275p2+19.75P-273.55 The graph shows both the data points and the fitted quadratic



of all are thousands of = 30, dL >0, meaning 40, dl (increasing the tree pr overinflating leads to premature wear