First solving for $92(X_t, y_t)$ $= 2 \qquad y_t = 2x_t + 1$ $= 2 \qquad (1+x_t)^2 \qquad (1+x_t)^2$ yt = 3xt - @ A, so D = @ $\frac{2x_{t}}{(1+x_{t})} + 1 = 2x_{t}$ $(1+x_{t})$ =) 3xe +(1+)(+)2-274(1+x4) = 0 =) 1+x+2+2x++2x+-2x-2x=0 50 our pts of tangency are (1+52, 52) and (1-52, -JZ) Slopes of tangent =) $(0,1)(1+5\bar{z},5\bar{z})$ and (0,1)(1-5,5)=) $(5\bar{z}-1)$ and $(5\bar{z}-1)$ $(5\bar{z}+1)$ Eqns of tangent, $y-1=x(\sqrt{z-1})$ and $y-1=x(\sqrt{z+1})$