



$$f_{1}(x) : _{14x_{0}} -_{4x_{3}} - \rho$$

$$= \rho x_{0} -_{15}x_{3} + 8x_{0} +_{15}x_{3} -_{15}x_{3} - \rho$$

$$f_{1}(x) : _{15}\rho x_{3} +_{15}\rho x_{3} +_{15}\rho x_{3} -_{15}\rho x_{3} - \rho$$

$$f_{15}(x) : _{15}\rho x_{3} +_{15}\rho x_{3} +_{15}\rho x_{3} -_{15}\rho x_{3} -_{15}\rho$$

$$f_{15}(x) : _{15}\rho x_{3} +_{15}\rho x_{3} +_{15}\rho x_{3} -_{15}\rho x_{3} -_{15}$$

c)
$$f(t) = \sqrt{t} (1-t)$$

 $= t^{\frac{1}{2}} (1-t) \cdot (-1)(t^{\frac{1}{2}})$
 $= t^{\frac{1}{2}} (1-t) \cdot (-1)(t^{\frac{1}{2}})$

Note: Both b) and c) could have been done using the distributive property and the power rule!

ex.2 Find an eqn. for the line tangent to the curve y: x2 at the point (2,4)

