- Show all your work for each problem; show enough work to fully justify your answer.
- Simplify all answers as far as possible.

(1) [Points: 20]  Let $x = y^5 + 5y^2 - 3$. [NOTE: It should be $x = y^5 + 5y^2 - 7$.]
    (a) Find $dy/dx$.

    (b) Find the equation of the normal line at $(-1, 1)$.