MATH 373: CLASS 5

1. Exercise

- 1) Find a simple example of the function with the initial point such that the Newton's Method does not converge to the root of the given function.
 - 2) Let $f(x) = x^2 e^x$ and p0 = 1. Use Newton's method to find p3.
 - 3) Let $f(x) = x^4 + x^2 1$, p0 = 0 and p1 = 1. Use Secant method to find p3.

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