

Math 1210

Hw 5.3:

pg 298 Quick Check Exercise: 1

pg 299 Exercises: 2-5,19 (on these, label critical points rather than stationary points)

Hw 5.6:

pg 327: 1,6 (On these problems, first use the IVT (Intermediate Value Theorem) to find an interval where a solution must exist. Use a point in this interval as your initial guess.)

- A. Approximate the first positive solution to $\sin(\theta) = 0.3$ using Newton's Method. First use the IVT (Intermediate Value Theorem) to find an interval where a solution must exist. Use a point in this interval as your initial guess.
- B. Solve $e^x = 2$ using Newton's Method. First use the IVT (Intermediate Value Theorem) to find an interval where a solution must exist. Use a point in this interval as your initial guess.
- C. Read carefully pg 325-236 beginning with "Some Difficulties with Newton's Method". Put a check to show you did it.

pg 328: 35-36