

Calculus:

Homework
11/27-12/1

on: Tuesday: test

due: Wednesday: read pp. 263-267

1. pp. 270-271 / #23, 24
2. If the number c satisfies the conditions of Rolle's Theorem for the function f on the given interval, find c .
 - a. $f(x) = x^3 - 4x^2, [0,4]$
 - b. $f(x) = x^4 - 1, [-1,1]$
3. If the number c satisfies the conditions of the Mean Value Theorem for the function f on the given interval, find c :
 - a. $f(x) = x^3 - 2x^2, [0,2]$
 - b. $f(x) = x^2 - 9x + 3, [1,4]$

Thursday: read pp. 259-261

pg. 270 / #1, 2, 3, 7

Friday:

pg. 270 / #15, 16, 19 (find the absolute extrema for these functions on the given intervals)

Monday: read pp. 290-292

pg. 293 / #37, 38