Written Homework Problems §4.3
15 problems for 30 points

Problems in red are optional extra practice.

§4.3 #91,93,95,103,104,106,108,109,111,114,119*,120*,126*,130,131

* For these problems, find any local and/or absolute maxima **and minima** over the specified interval.

Problem A: For each function below, find any local and/or absolute maxima and minima over the specified interval.

(i) $f(x) = \frac{x}{x^2+1}$ on $[-2, 2]$. (Note $f'(x) = \frac{-(x^2-1)}{(x^2+1)^2}$.)

(ii) $g(x) = x^{2/3}$ on $[-1, 1]$.