

Math 203: HW 4

Due on Thursday, June 6

Summer '13

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Problem 1

For the following functions give the interval(s) of increasing/decreasing and concavity, critical points, inflection points, absolute and local min/max (if they exist), asymptotes and finally, sketch the graph.

$$f(x) = \frac{1}{3}x^3 - 2x^2 + 3x + 1$$

$$g(x) = \frac{x^2 + 1}{x^2}$$

$$h(x) = \frac{x^2 - 1}{x + 2}$$