Given $M(x) = 12 + 2x^2 - x^4$ determine:

a) Critical values  

b) Critical points

c) intervals where $M(x)$ is increasing:  

d) intervals where $M(x)$ is concave up:

decreasing:  

devave down:

e) Point(s) of inflection, if any:  

f) Relative extrema: