Math	180-08;10;11	Fall
Quiz 9	October 25t	h

Show all work to get full credit of this 10 point quiz. Please circle the section that you are in. All calculators are allowed, except for phones.

1. (10 points) Find the intervals where the function is increasing or decreasing, and local extrema of f(x) where

$$f(x) = 2x^2 - 8x + 9$$

Sketching the graph is not necessary on this problem, but doing it may give you some leeway points. The same goes for the 2nd derivative test and concavity.