MAT125, Paper Homework MM

1. Find the x values corresponding to the absolute maxima and minima for the function

$$3x^5 - 20x^3$$

   for x in the interval $-2 \le x \le 2$.

2. Sketch the graph of $f(x) = 3x^5 - 20x^3$. Locate all critical points, label those which are relative minima and maxima. Also, locate all inflection points.