Homework 5
(due Friday, October 31)

1. Find the critical points of the function $f(x) = 6x^{\frac{2}{3}} + 3x^{\frac{5}{3}}$ and classify them as local minima, local maxima or neither.

2. Find the global maximum and global minimum of the function $f(t) = 3t^4 - 16t^3 + 18t^2$ on $-1 \leq t \leq 4$.