MAT 141 Problem Set #14

For your benefit only. Not to be handed in.

- 1. A postol, section 4.19, # 9, 10, 13 2. A postol, section 4.21 # 7, 21, 22, 28
- 3. Show that if f(x) is convex on (c,d), then (-f)(x) is concave on the same interval. Prove that if $f''(x) \leq 0$ on (c,d), then f(x) is concave on the same interval.