Taylor's Formula and Limits

Pset 10
Due November 18 (12 points total)

(1) Page 303: 4, 15
(2) Page 391:12, 18
(3) Page 392:23

Bonus: A function f is called uniformly continuous if for every $\epsilon > 0$ there exists $\delta > 0$ such that for all x, y with $|x - y| < \delta$, we have $|f(x) - f(y)| < \epsilon$. Prove that every continuous function on a closed interval $[a, b]$ is uniformly continuous.

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