

Homework 7
Math 336, Winter '00
Due Friday, March 3

From the textbook:

- Page 242: 8, 15
- Page 250: 1abc, 3 (Show that at any point x where the Taylor series for $\ln x$ converges, it actually equals $\ln x$), 8, 11, 12

Important Changes:

In problem 3 on page 250, only do the parenthetical extra part when $x_0 = 1$, and only do it assuming that $|x - x_0| < 1/2$.

Also, in problem 1e on page 250, you can take for granted that $\limsup_{j \rightarrow \infty} \sin j = 1$.