Math 9C
Winter 2006
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UPDATED GENERAL INFORMATION — FEBRUARY 24, 2006

This is simply two further suggestions for study in connection with the second in-class examination. See the previous update for earlier comments.

1. The methods we have developed allow us to write power series expansions for functions like the following:

$$\int \frac{e^x - 1}{x}\,dx \qquad\qquad \int \frac{1-\cos x}{x^2}\,dx$$

Working out these or related examples is recommended.

2. A general formula for the solution to the general linear differential equation in Section 6.5 will also be provided, but it will be condensed to fit onto one line. The purpose is not to serve as a substitute for knowing the formula but rather as assistance in case there is uncertainty over some specific parts of the formula. The format will be similar to that in previously posted document `mixtureproblems.*`.