- 1. Find the Maclaurin series for $f(x) = \sin(x)$.
- 2. Use the Maclaurin series for sin(x) to find the Maclaurin series of cos(x).
 Hint: d/dx sin(x) = cos(x)
- 3. Find the Maclaurin series for $g(x) = e^x$.
- 4. Verify your series in #3 by taking the derivative.

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