

# Lab 1: Graphs and Derivatives

**Lab1.ma** is a *Mathematica* notebook that demonstrates how to obtain and use graphs and derivatives of functions in *Mathematica*.

Like all *Mathematica* notebooks, this one is used by opening its cells and executing its *Mathematica* commands. To open a cell, double-click on its cell bracket. To execute a *Mathematica* command, click on its cell bracket to select it, and then press the Enter key (not the Return key).

**Lab1.wn** explains how to work through **Lab1.ma** on the NeXT.

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Category:

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Mathematics
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Usage:

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This software is used by students  
enrolled in Calculus II  
at the University of Richmond.
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Version:

This software uses Mach 2.0  
and *Mathematica* 2.0

## References:

This software refers to the two books:

*Calculus and Analytic Geometry*, Fourth Edition

by Sherman K. Stein (McGraw-Hill, 1987).

*A Guidebook to Calculus with Mathematica*

by Philip Crooke and John Ratcliffe (Wadsworth, 1991).