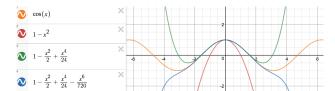# Section 1.4 : Graphing with Calculators and Computers

Chapter 1 : Functions
Math 1551, Differential Calculus

1.4 Graphing with Calculators and Computers

Topics

We will cover these topics in this section.

1. WolframAlpha and Desmos

Note that

- Students are not tested on the material in this section.
- This section is included to help students identify ways to check your work while preparing for quizzes/midterms/exams, completing homework, other courses.
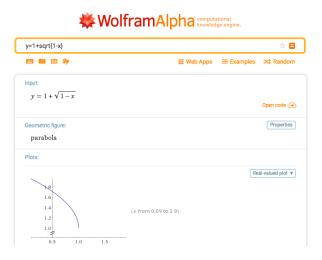
Checking Your Work

Online graphing tools can offer you one approach to determine if your calculations are correct.

- Can be used to help check your work while studying for midterms, completing homework.
- One of the goals of this course is to prepare students for more advanced courses, which don't offer solutions for everything.
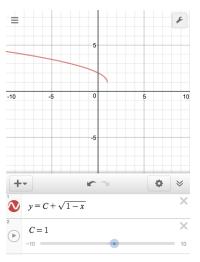
WolframAlpha

You may want to WolframAlpha to check your work for MML homework, studying for midterms, and in your future courses.

Desmos.com

Free online mobile-friendly graphing software.

Desmos Syntax

desired quantity	you can enter
π	pi
$\sqrt{2x+1}$	sqrt(2x+1)
$\frac{1}{2x+1}$	1/(2x+1)
$y \le 2x$	y <= 2x
$x^2 + y^2 = 9$	x^2 + y^2 = 9
the point $(1, 2)$	$(1, 2)$