**Online integral calculators**

Testing your integration skills is not the purpose of this course. For *indefinite* integrals, you are free to consult a table of integrals, use a graphing calculator or any online integral calculator such as the ones listed below for your homework. (On exams, a table of integrals will be provided.)

[www.integral-calculator.com](http://www.integral-calculator.com)  
integrals.wolfram.com  
[calculus-calculator.com/integral](http://calculus-calculator.com/integral) (with step-by-step solutions)

(There are many more!) However, you may *not* use integral calculators for *definite* integrals (i.e. integrals of the form ); use the integral calculator to get the anti-derivative, then substitute in the limits yourself and simplify. Also, do not just blindly copy the answer you get onto your homework:

* Sometimes the answer can and must be simplified!
* Some integral calculators may return the integral of 1/x as ln x instead of ln|x|. In that case, you’ll have to add the absolute value signs yourself!

Unless you contemplate on participating in the Integration Bee, you will find these online integral calculators a helpful time-saving tool. You may of course also use more sophisticated software like *Maple* or *Mathematica* (available in the CAS computer labs in the GAB).

**Note:** There are also free online tools that completely solve differential equations for you. You may use these to check your answers, but NOT as a substitute for showing work. On your homework and exams, you will be required to show ALL the steps of the solution, except possibly for the calculation of indefinite integrals.