

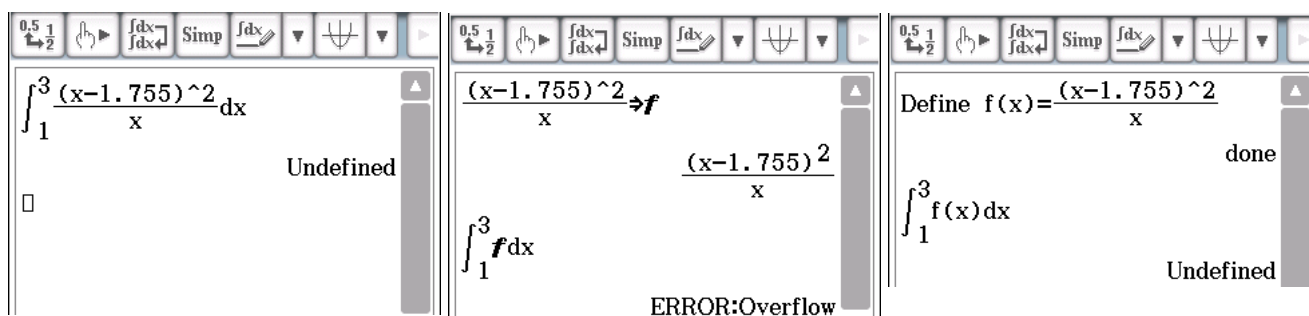
ClassPad - Dealing with the unexpected

ClassPad II (fx-cg400) is used in Australia by Year 12 students sitting the WACE and VCE Methods and Specialist exams. Over the past few years, these exams have brought to light several 'bugs' in the ClassPad software, where ClassPad fails to perform as expected.

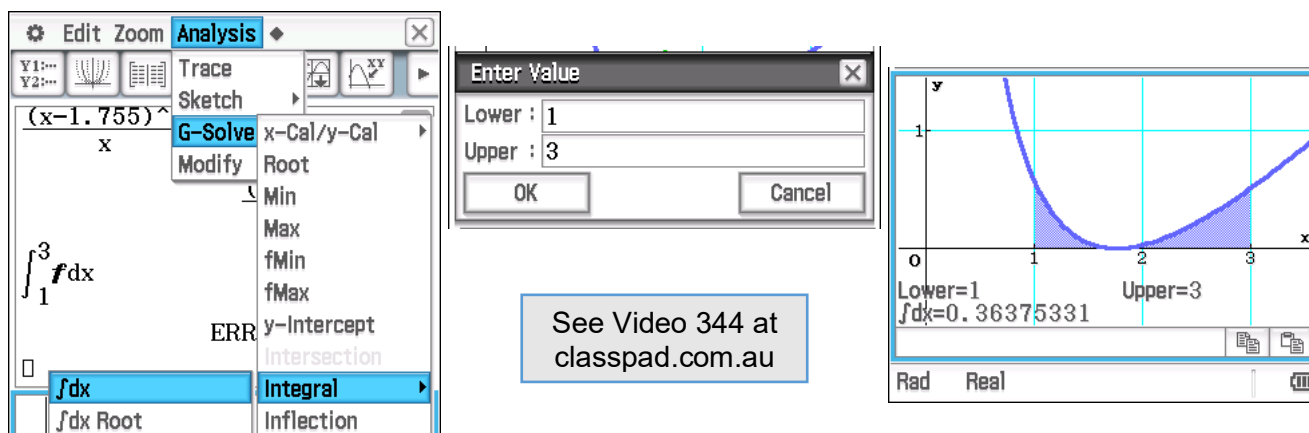
Casio software engineers in Japan are notified of these issues and release an updated operating system in July each year. The latest update in July 2020 was OS 02.01.7000.0000. It is prudent for Methods and Specialist students to make sure that their ClassPad has this latest update installed, which is a free download from <http://edu.casio.com/en/>. Unzip the installer, start it up and follow the prompts. You will need a USB cable and a typical ClassPad update takes less than 10 minutes.

However, even the latest OS 02.01.7000.0000 is not bug free.

Consider $\int_1^3 f(x) dx$ where $f(x) = \frac{(x - 1.755)^2}{x}$. Here are some screens from the main app in ClassPad that show several ways to evaluate this integral - and all fail.

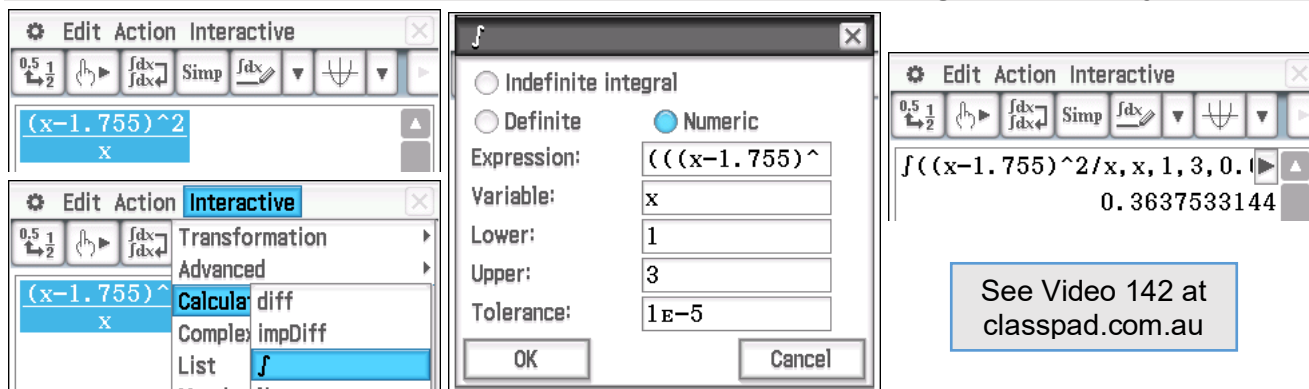


However, there is no mathematical reason for this. Draw the graph and use G-Solve tools:



See Video 344 at classpad.com.au

Or use the Interactive menu in main to evaluate the integral numerically:



See Video 142 at classpad.com.au

So, keep your OS up to date and when the unexpected happens, be sure to try alternative methods such as graphical or numerical to evaluate expressions, solve equations and so on.