SMARTASS

QUESTION AND SOLUTION GENERATOR

SCHOOL OF MATHEMATICS AND PHYSICS
THE UNIVERSITY OF QUEENSLAND

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Go to http://smartass.maths.uq.edu.au

You can register at the start, allowing you to save work to the server.

Click on "Create new"

Enter title – e.g., Assignment 1

Click "Next"

Click "Add CALL" to view and add questions

Click "MATHEMATICS" to see Maths questions

Click on "Algebra" if you want an algebra question

You can preview sample questions and solutions by clicking on "questions" and "solution" under each question. PDF files open.

Select the questions you want by clicking the boxes

Click "Add to assignment" up the top. You need to do this before going to the next page or section.

Select other questions from other categories if you want

When done, click "Execute" down the bottom

Click "Make PDF" to get PDF files

Latex and PDF files appear. "Answers" just give the final answer (no working out). "Solutions" give fully worked solutions.

If you don't like some of the numbers in the questions, click "Back to editor", click "Execute" again. *All questions and solutions will be regenerated.* Once you click "Back to editor", all results are deleted, so make sure you save the files if you like the questions.

If you want to add some more questions, click "Back to editor", and follow the above steps again.

If you want to delete some questions, click "Back to editor", select the question you want to delete (e.g., CALL Expand1Template), and click "Delete".

To save your work for the future, click on "Save", give it a name etc. You will then see your file name and username on the SmartAss homepage. *When you want to run saved work, please ensure you tick the box (at the bottom of the screen) which says, "Decorate assignment constructions with LaTeX". If you don't the questions won't be numbered.*

REPEAT function

If you want to add multiple versions of a question, click "Add REPEAT", enter the number of questions want (e.g., 10), click "OK"

Delete "answer each of the following questions, showing all working:", Click "Okay"

Make sure the blue dot is on "REPEAT (No.)"

Click "Add CALL" and follow above instructions

EXTRA INFO

If you want to add some instructions for students at the beginning of the questions (e.g., do odd numbers in class, even numbers at home), click "Add text".

For LATEX users

Save the Latex files to your computer then open them and run. You need a small tex file called smartass.tex to run the files. It has to be saved in the same folder as your questions and solutions in order to process the latex file. Contact me and I will send you the file.