

All questions should be submitted by 2pm on Thursday 29 November. Assignments can be submitted at your tutorial or to the MATH1040 assignment box (3<sup>rd</sup> floor, Priestley Building). **Make sure that your name, student number and assignment number are on each sheet of your answers.** Write your answers on a separate sheet of paper. You do not need a cover sheet nor do you need to include this question sheet. Solutions will be distributed in class later.

1. Describe your mathematical history, i.e. did you like maths at school, what did you find easy/hard etc. Write at least six lines.
2. Why are you doing this course? What do you want to get out of it? Write at least six lines.
3. Insert mathematical operator(s) (i.e. +, -, ×, ÷) and/or a set of brackets in each of the following in order to make the statement true:
  - (a)  $4 \quad 3 \quad 2 = 5$
  - (b)  $6 \quad 4 \quad 6 = 12$
  - (c)  $70 = 2 \quad 3 \quad 4 \quad 5$
4. Roughly estimate the number of buckets of water that it would take to fill a Brisbane City Council bus. Assume that no water leaks out.
5. Complete the following magic square so that each row, column and diagonal sums to the same total. Show all working.

$\frac{1}{3}$	$\frac{1}{4}$	$\frac{2}{3}$
		$\frac{1}{2}$

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