Mate 3021 practice problems

Due 22/08

Problems 3–45 from syllabus, §1.2. At this stage, since your graphing techniques are rudimentary, you must rely on the graphing calculator, or familiarize yourself with the use of graphing software cited in the main syllabus. Hand in on Friday: four problems chosen from 33–36, 39, 40, 42, 44. For each of the four problems you choose, specify the domain and range by projecting the graph on each axis, as we did in class. Your work must demonstrate that you indeed used the tools in question: use printout paper or ruled paper, if drawn by hand.

Due 3/09

§1.2: problems 49–86 from syllabus.

§2.1: problems 1–23 from syllabus.

Due 15/09

§2.1: problems 25–58 from syllabus.

§2.2 All problems from syllabus.

Due 26/09

§3.1: all problems from syllabus.

Due 29/09

§3.3: all problems from syllabus.

Due 6/10

§3.2: all problems from syllabus.

Due 8/10

§3.4: all problems from syllabus.

Due 17/10

§3.4: derivation of the limit as $x \to 0$ of $\sin x / x$, and of its corollary.

§4.1: problems from syllabus.

Due 27/10

§4.2, §4.3: problems from syllabus.

Due 14/11

§4.4: syllabus problems.

Due 21/11

§4.5, 4.6: syllabus problems.