

MATH 141 Calculus 2
Fall 2015
Review lecture planning (updated November 25)

This collaborative document will be updated frequently. Please check MyCourses for the latest version (the course webpage may be a little late).

We aim to finish the syllabus on Monday November 30. This leaves us with three lectures (Wednesday 2 December, Friday 4 December, Monday 7 December) for review.

The review lectures are optional. If you prefer to study at home, by all means do so. You are also welcome to open your laptops and study quietly on your own at the review lectures, if what we're doing is not useful to you.

I would like to make the review lectures useful for you. So **please email me (cy.amy.pang@mcgill.ca) with what you'd like me to do (e.g. go through theory, do problems, something else) and any particular topics you'd like the review lectures to emphasise.** I will keep track of the suggestions on this document.

Please email me, **24 hours in advance**, problems you would like me to do at the review lectures. The problems can be from anywhere - the textbook, past exams, a study guide, a website - I'll pick ones that are appropriate in terms of content and difficulty. Please email a screenshot / photo of your problem in .pdf, .gif, .jpg or .png format (no text or web links please). I'll type up the chosen problems into this document about 12 hours before the review lecture, so you can have a try before I show the solution.

Suggested activities:

- Review of when to use each integration technique.
- Review of convergence tests and when to use each one.
- Solutions to hard problems - please email me some suggestions, as described above.
- "Common errors on exams" (I haven't worked out how to address this yet).

Suggested topics:

- Trigonometric integrals and trigonometric substitution.