

**MA 262 Homework 8: I'm stoked about vector calculus!**

You should be working on your final project, so this assignment is intentionally quite short.

- (1) Read Sections 7.1 - 7.3 of the text. You may simply scan the proofs of Stokes' theorem and Gauss' theorem.
  - (2) From 7.3, do exercises: 1, 3, 5, 7, 9, 29. (For this last problem, you can use problem 27 which is really what we've taken to be the definition of divergence). Remember that you may not consult the online solutions manual, though you may use Mathematica and check answers in the back of the book.
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