

Dror Bar-Natan: Classes: 2002-03: Math 157 - Analysis I:

Homework Assignment 12a

Assigned Thursday December 5; not to be submitted.

web version: <http://www.math.toronto.edu/~drorbn/classes/0203/157AnalysisI/HW12a/HW12a.html>

Required reading

Read, reread, re-reread and convince yourself that you really, really really, really really really, understand everything in Spivak's chapters 1 through 14.

Just for fun

Some Hanukkah riddles — Questions by Assaf:



1. What exactly burns here, and where? If it isn't the wick that's burning, what's the wick for?
2. Why is the top of the flame yellow and the bottom blue?
3. Why is there a darker area of the flame right around the wick?
4. Why is only the top of the wick burning orange?
5. Why do narrower candles drip wax? (Why don't thick candles drip wax?)

Enjoy the holidays! Make a lot of paper airplanes! Eat a lot of ice cream!