

Lassonde School of Engineering
EECS

MATH1090. Problem Set No. 3

Posted: Oct. 27, 2015

**Due: Nov. 17, 2015, by 2:00pm; in the course
assignment box.**



It is worth remembering (from the course outline):

The homework must be each individual's own work. While consultations with the instructor, tutor, and among students, are part of the learning process and are encouraged, nevertheless, *at the end of all this consultation* each student will have to produce an individual report rather than a copy (full or partial) of somebody else's report.

The concept of “late assignments” does not exist in this course.



In what follows, “give a proof of $\vdash A$ ” means to give an equational or Hilbert-style proof of A . What style —Hilbert or equational— is up to you, but I advise that in the following problems equational proofs have the advantage.

Annotation is required!

(5 MARKS/Each) **Do the following problems from the text.**

1. Section 3.6: Numbers 9, 11, 12, 20, 21, 22.
2. Section 4.3: Numbers 2, 3, 8, 9.
3. Section 6.6: Numbers 11, 12, 15.