

# Assignment 15 (11/2)

Subhadip Chowdhury

## Problem 1

Problems from chapter 6 review: (10, 12).

## Problem 2

Problems 7.2.(19, 21, 23).

## Problem 3

Problems 7.3.(3, 10, 13, 23, 24, 31, 34).

## Problem 4

Suppose  $a, b, c$  are real numbers. Prove that if

$$\frac{\ln a}{b - c} = \frac{\ln b}{c - a} = \frac{\ln c}{a - b}$$

then

$$a^a b^b c^c = 1.$$