

# COMPLEX ANALYSIS, HW # 4

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Section 15, problems 2, 3, 5 a), 5 b), 5 c), 8, and this problem:

## Problem 1.

TRUE or FALSE: There is no entire function  $f$  such that  $f(n) = n!$  for each  $n \in \mathbb{N}$ .  
Prove or give a counterexample.