York University

CSE/MATH 1019A

Homework Assignment #8 Due: October 17, 9:30 a.m.

- **1.** Prove that $x \log x$ is $O(x^2)$, but x^2 is not $O(x \log x)$.
- **2.** Prove that f(x) is $\Omega(g(x))$ if and only if g(x) is O(f(x)).