

## HOMEWORK 1

- 1) Evans section 5.10 problems 1, 2
- 2) Show that if  $u \in C^{0,\alpha}(U)$  for some open set  $U \subset \mathbb{R}^n$  and some  $0 < \alpha \leq 1$ , then  $u$  is uniformly continuous on  $U$ .