

HOMEWORK 4

- 1) Prove Remark i) from Section 5.4, i.e. prove that the extension E is a linear, bounded map from $W^{2,p}(U)$ into $W^{2,p}(\mathbb{R}^n)$ provided that ∂U is C^2 .
- 2) Evans section 5.10 problems 16, 17