

5.3.9 Problem: Adapt the proof of Theorem 5.1.25 to prove Theorem 5.3.8.

6.2.11 Problem: Prove well-posedness for the Darcy problem using the de Rham complex for proving Lemma 4.1.20 and Lemma 4.1.22.

6.3.24 Problem: Show: $\mathbb{P}_r(f_\sigma)$ is isomorphic to $\mathbb{P}_r(\mathbb{R}^k)$. Prove Lemma 6.3.23.