Math 8061 Homework 9

Due Friday, 12/1/23

1. Problem 11–9 of Lee.

2. Let $\gamma : [0, 2\pi] \to \mathbb{R}^3$ be the helix $\gamma(t) = (\sin t, \cos t, t)$. Compute $\int_\gamma (y \, dx + z \, dy)$.

3. Problem 14–1 of Lee.