Course: Mathematical Physics
Problem Set 3
Due: Oct 30, 2019 (by class time)

All problems are from exercises in Vaught, chapter 2.

1. Prob 2 ("Let \{\varphi_1, \varphi_2, \varphi_3\} be ...")
2. Prob 8 ("Let A be a linear operator ...")
3. Prob 10 ("Let U and V be ...")
4. Prob 24 ("A linear operator on \( \mathbb{C}^2 \) ...")

Extra credit

Prob 27 ("(ii) Show that ... for a 4x4 matrix")