

**MATH N55 HOMEWORK 3**  
**DUE FRIDAY, JULY 5TH**

Do the following problems in Rosen:

**Section 2.2:** 3, 15, 32

**Section 2.3:** 6, 10, 14, 20, 45

**Section 2.5:** 4, 25

When finished, upload your solutions as a PDF to Gradescope.

CHALLENGE (NOT TO BE HANDED IN)

Follow the steps in exercise 41 of section 2.5 to prove the Schröder-Bernstein theorem.