Due Wed, May 28th, at 11:59pm on Gradescope

Please show your work. Where it makes sense, your solutions should be written in full sentences. Recall that proof-writing problems will be graded on correctness as well as clarity and exposition.

From Enderton:

- 1. p. 158, Exercise 20
- $2.\,$ p. 161, Exercise 26
- 3. p. 165, Exercises 32, 34
- 4. p. 172, Exercise 1
- 5. p. 178, Exercises 4, 7

Additional problem:

6. Recall that Sq(A) is the set of all finite sequences in A, where we define a finite sequence in A to be a function from some natural number n to A. Show that if A is infinite then $A \approx Sq(A)$. You may use the Axiom of Choice.