

**MATH 113: DISCRETE STRUCTURES
HOMEWORK DUE MONDAY WEEK 2**

Remark 1. This is homework on the content covered Wednesday of Week 1. It is due Monday of Week 2. In general, homework on content delivered during course meeting n will be due at the start of course meeting $n + 2$. You are encouraged to start working on the homework shortly after course meeting n in order to have time to ask questions during office hours or via Slack.

Remark 2. The letters *DM:EB* refer to our textbook, *Discrete Mathematics: Elementary and Beyond*.

Remark 3. Make sure to review the “Homework” portion of the syllabus before writing up your solutions!

Problem 1. Problem 1.1.2 of *DM:EB*.

Problem 2. In how many ways can King Arthur and his twelve knights sit down at the legendary Round Table in Camelot? (Since the table is round, we will not consider rotations of a given seating arrangement as different.)