

**MATH 113: DISCRETE STRUCTURES
HOMEWORK FOR WEDNESDAY WEEK 1**

Note: This is homework on the content covered Wednesday of Week 1. It is due Friday of Week 1. All of our homework will be labeled by the day its content was covered and is due at the start of the following course meeting. The letters *DM:EB* refer to our textbook, *Discrete Mathematics: Elementary and Beyond*.

Another note: 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.)