Math 817, Fall 2023, Dr. Honigs
Homework 1, Part 2 (of two parts)
All of Homework 1 is due Tues. **Sept. 19** at the start of class

---

Instructions:

- You are encouraged to work in groups. However, write your solutions in your own words.

- In your solutions, list any names of people you have worked with. (This is practice for listing collaborators!)

- In your solutions, refrain from using language like "clear", "obvious", or "easy".

Homework 1 Part 2 will be graded out of 45 points.

Textbook questions:

Aluffi Ch. II

- 1.6 (Multiplication table)

- 2.5, 2.7 (Dihedral groups)

- 2.13, 4.9, 4.13 (Optional: 4.10) (Groups using modular arithmetic)

- 5.2, 5.6 (Coproducts, Free groups)

Question 1.6 is worth 10 points. The others are worth 5 points each. Optional questions aren't graded.