

Math 417: Homework 5

Due Friday, October 6, 2023

1. Goodman, exercise 2.3.1.
2. Goodman, exercise 2.3.5.
3. Goodman, exercise 2.3.8. The “symmetry group of the painted 10-gon” means the subgroup of D_{10} consisting of transformations that preserve the color of the vertices (that take a red vertex to a red vertex, and a blue vertex to a blue vertex).
4. Goodman, exercise 2.4.3.
5. Goodman, exercise 2.4.6.
6. Goodman, exercise 2.4.8.
7. Goodman, exercise 2.4.17.
8. Goodman, exercise 2.4.19, part (a) only.