Homework 10

MATH 301

Due Wednesday, May 3, 2023.

Instructions. Read the Homework Guide to make sure you understand how to successfully complete the assignment. All claims must be sufficiently justified.

Exercise 1. Construct an injective homomorphism from D_3 to $GL(3, \mathbb{R})$.

Exercise 2. Complete the following exercises from Section 9.4:

11, 12, 16, 17, 19 (just the first part, and see Example 9.25), 22, 24, 25, 48