

Math 500: Graduate Algebra. Instructor: Walton

Homework #6 on Semidirect products and Nilpotent, Solvable, and Free groups

Due: Wednesday, October 9, 2019 at the beginning of class.

Include full statements of problems in your solution set. See syllabus for grading guide.

- (1) Dummit-Foote §5.5, #8
- (2) Dummit-Foote §5.5, #12
- (3) Dummit-Foote §6.1, #6
- (4) Dummit-Foote §6.1, #9, 10
- (5) Dummit-Foote §6.3, #2
- (6) Dummit-Foote §6.3, #3