

MATH 546 — Fall 2022— Notes about EXAM 2

- (1) Exam 1 is on Thursday, October 6, 2022. The exam covers the entire course up until the end of class on Thursday Sept. 29. In particular, the exam covers pages 4-16 of the class notes, Homework problems 1-29, and questions 3.11 and 3.12 from the class notes. (The exam does not cover question 3.5 from the class notes.)
- (2) Be sure to MASTER all of the assigned homework.
- (3) Be sure to MASTER all of the quizzes.
- (4) The material on the old MATH 546 exams which is covered on your exam 2:
 - Exam 1's:
 - 1993: 1, 3, 4, 5.
 - 1994: 1, 2, 3, 4, 5, 6, 7.
 - Spring 2001: 3, 4, 5, 6, 7, 8.
 - Summer 2001: 3, 4, 5, 6, 7, 8, 9.
 - Summer 2002: 3, 5, 6, 7, 8.
 - Spring 2004: 2, 3, 4, 5, 6, 7, 8.
 - Fall 2004: 2, 3, 4, 5, 7, 8.
 - Spring 2010: 1, 2, 3, 4, 5
 - Fall 2011: 1, 2, 3, 4, 5
 - Fall 2022: all.
 - Exam 2's:
 - 1993: 3, 4, 5 (In 4 and 5, S_A is the group of invertible functions from A to A . The operation is composition.)
 - 1994: 1, 2, 3, 5, 6.
 - Spring 2001: 1, 2, 3, 4, 5, 7.
 - Summer 2001: 1, 3, 4, 5, 6, 7, 8, 9, 10.
 - Summer 2002: 3, 4, 5, 6, 7, 8, 9, 10.
 - Spring 2004: 1, 2b, 3, 4, 5, 6, 7.
 - Fall 2004: 3, 4, 5, 6, 7, 8.
 - Spring 2010: 1, 2, 3, 4, 5, 6.
 - Fall 2011: 1, 2, 3, 4, 7, 8,
 - Exam 3's:
 - 1993: 1, 2.
 - 1994: 3, 7.
 - Spring 2001: 4, 5. (In these problems S_A and $\text{Sym}(A)$ both are the group of invertible functions from A to A . The operation is composition.)
 - Summer 2001: 1, 2, 5a.
 - Summer 2002: 1, 2, 3, 4, 5, 6.
 - Spring 2004: 1, 3, 5, 6.

- Fall 2004: 2, 3,
 - Spring 2010: 1, 7
 - Fall 2011: 4,
- Exam 4's:
 - Spring 2001: 2, 4
 - Summer 2001: 10.
 - Fall 2004: 7
- Final Exams:
 - 1993: 3, 4.
 - 1994: 3, 4, 5, 8c, 11.
 - Spring 2001: 5, 14.
 - Summer 2001: 2, 3, 5, 20.
 - Summer 2002: 3, 5, 6, 7, 10, 11, 14, 18.
 - Spring 2004: 1, 3, 4, 12, 14, 16, 17.
 - Fall 2004: 10, 11, 13
 - Spring 2010: 3
 - Fall 2011: 8, 11.