

Math 503: Graduate Group Theory

Course Syllabus

Office Hours:

Thursday 4/30 10:00-12:00
Friday 5/1 12:00-2:00

Office Hours:

Monday 5/4 12:00-2:00
Tuesday 5/5 10:00-12:00

Homework

- (70) Page 213 number 30, due Friday 5/15.
- (69) Page 213 number 23, due Friday 5/15.
- (68) Page 213 number 15, due Friday 5/15.
- (67) Page 213 number 13, due Friday 5/15.
- (66) Page 213 number 12, due Friday 5/15.
- (65) Page 213 number 11 (4851), due Friday 5/15.
- (64) Page 213 number 7, due Friday 5/15.
- (63) Page 213 number 6 (2205), due Friday 5/15.
- (62) Page 213 number 4 (80 and 3875), due Friday 5/15.
- (61) Page 213 number 2, due Friday 5/15.

- (60) Page 146 number 33, due Friday 4/3.
- (59) Page 146 number 27, due Friday 4/3.
- (58) Page 146 number 19, due Friday 4/3.
- (57) Page 146 number 16, due Friday 4/3.
- (56) Page 146 number 14, due Friday 4/3.
- (55) Page 146 number 7, due Friday 4/3.
- (54) Page 146 number 4, due Friday 4/3.
- (53) Page 137 number 20, due Monday 3/30.
- (52) Page 137 number 18, due Monday 3/30.
- (51) Page 137 number 12, due Monday 3/30.

- (50) Page 137 number 3 and 5, due Monday 3/30.
- (49) Page 130 number 29, due Friday 3/26.
- (48) Page 130 number 25, due Friday 3/26.
- (47) Page 130 number 21, due Friday 3/26.
- (46) Page 130 number 19, due Wednesday 3/25.
- (45) Page 130 number 13, due Wednesday 3/25.
- (44) Page 130 number 5, due Wednesday 3/25.
- (43) Page 130 number 3, due Wednesday 3/25.
- (42) Page 130 number 2, due Wednesday 3/25.
- (41) Page 121 number 11, due Monday 3/16.

- (40)** Page 121 number 10, due Monday 3/16.
 - (39)** Page 121 number 8, due Monday 3/16.
 - (38)** Page 121 number 4, due Monday 3/16.
 - (37)** Page 116 number 8, due Monday 3/16.
 - (36)** Page 116 number 7, due Monday 3/16.
 - (35)** Page 116 number 2, due Monday 3/16.
 - (34)** Page 111 number 12, due Friday 3/13.
 - (33)** Page 111 number 7, due Friday 3/13.
 - (32)** Page 111 number 4, due Friday 3/13.
 - (31)** Page 111 number 3, due Friday 3/13.
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- (30)** Page 101 number 7, due Friday 3/13.
 - (29)** Page 101 number 4, due Friday 3/13.
 - (28)** Page 95 number 9, due Wednesday 3/4.
 - (27)** Page 95 number 22, due Monday 3/2.
 - (26)** Page 95 number 16, due Monday 3/2.
 - (25)** Page 95 number 5, due Monday 3/2.
 - (24)** Page 85 number 26, due Friday 2/27.
 - (23)** Page 85 number 7, due Friday 2/27.
 - (22)** Page 85 number 36, due Wednesday 2/25.
 - (21)** Page 85 number 18, due Wednesday 2/25.
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- (20)** Page 85 number 11, due Wednesday 2/25.
 - (19)** Page 72 number 14, due Monday 2/23.
 - (18)** Page 72 numbers 12 and 13, due Monday 2/23.
 - (17)** Page 65 number 16, due Wednesday 2/18.
 - (16)** Page 65 number 7, due Wednesday 2/18.
 - (15)** Page 60 number 26, due Wednesday 2/18.
 - (14)** Page 60 number 16, due Monday 2/16.
 - (13)** Page 60 number 11, due Monday 2/16.
 - (12)** Page 60 number 1, due Monday 2/16.
 - (11)** Page 53 number 13, due Friday 2/13.
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- (10)** Page 48 number 14, due Friday 2/13.
 - (9)** Page 48 number 10, due Friday 2/13.
 - (8)** Page 45 number 16, due Monday 2/9.
 - (7)** Page 35 number 10, due Monday 2/9.
 - (6)** Page 33 number 15 (also prove the result of 10), due Monday 2/9.
 - (5)** Page 33 number 2 and the part of 3 related to 2, due Friday 2/6.
 - (4)** Page 28 number 10, due Friday 2/6.
 - (3)** Page 29 number 4, due Friday 2/6.
 - (2)** Page 23 number 34, due Wednesday 2/4.
 - (1)** Page 22 number 25, due Wednesday 2/4.

Suggested Homework

Chapter 1

Section 1: Page 21 numbers 10, 18, 31, 33.

Section 2: Page 27 numbers 5, 11, 12, 13.

Section 3: Page 33 numbers 8, 11, 16.

Section 4: Page 35 numbers 4, 7, 8, 11.

Section 6: Page 40 numbers 6, 7, 9, 13, 14, 15, 17, 18, 19, 25.

Section 7: Page 44 numbers 8, 14, 17, 18, 20, 21.

Chapter 2

Section 1: Page 48 numbers 2, 4, 5, 6, 8, 12.

Section 2: Page 52 numbers 3, 6, 10, 11.

Section 3: Page 60 numbers 3, 6, 9, 12, 15, 20, 21, 22, 23.

Section 4: Page 65 numbers 1, 2, 3, 8, 10, 11, 18.

Section 5: Page 71 numbers 4, 5, 11, 18, 19, 20.

Chapter 3

Section 1: Page 85 numbers 3, 9, 10, 17, 19, 23, 24, 31, 35, 38, 39, 42.

Section 2: Page 95 numbers 4, 6, 8, 11, 15, 18, 20.

Section 3: Page 101 numbers 3, 5, 6, 8.

Section 4: Page 106 numbers 3, 7, 8, 12.

Section 5: Page 111 numbers 2, 5, 6, 9, 11, 13.

Chapter 4

Section 1: Page 116 numbers 1, 3, 4, 6.

Section 2: Page 121 numbers 2, 3, 6, 7, 14.

Section 3: Page 130 numbers 4, 6, 7, 8, 11, 17, 22, 23, 24, 26, 27, 30.

Section 4: Page 137 numbers 2, 13, 14, 15, 16, 17, 19.

Section 5: Page 146 numbers 1, 2, 5, 8, 12, 13, 16, 20, 22, 25, 37, 38, 44, 46.

Section 6: Page 151 numbers 1, 3, 6, 7, 8.

Chapter 5

Section 1: Page 156 numbers 1, 5, 7, 11.

Chapter 6

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