

MA553: Qual Preparation

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Contents

1	MA 553 Spring 2016	2
1.1	Homework	2
1.1.1	Homework 1	3
1.1.2	Homework 2	5
1.1.3	Homework 3	6
1.1.4	Homework 4	7
1.1.5	Homework 5	8
1.1.6	Homework 6	9
1.1.7	Homework 7	10
1.1.8	Homework 8	11
1.1.9	Homework 9	12
1.1.10	Homework 10	13
1.1.11	Homework 11	14
1.1.12	Homework 12	15
1.1.13	Homework 13	16

References

- [1] DUMMIT, D., AND FOOTE, R. *Abstract Algebra*. Wiley, 2004.
- [2] HERSTEIN, I. *Topics in algebra*. Xerox College Pub., 1975.
- [3] HUNGERFORD, T. *Algebra*. Graduate Texts in Mathematics. Springer New York, 2003.
- [4] MILNE, J. S. Group theory (v3.13), 2013. Available at www.jmilne.org/math/.
- [5] MILNE, J. S. Fields and galois theory (v4.50), 2014. Available at www.jmilne.org/math/.