

## Math 260 Exam Preparation notes 2.1-3.5

There are a total of 10 problems on the exam--five proofs (5 pts each); quantified conditional statements(2 pts); an argument with quantifiers to analyze(2 pts); demonstration of understanding of floor and ceiling functions(2 pts); a prime factorization problem(3 pts); and a rational number question(2 pts).

In addition to the regularly assigned homework do the problems below:

Quantified statements--pg 95 1-6 9-14 18-25; pg 108 12-19 21-22 28-29

Arguments with quantifiers--pg 122 7-18; pg 123 21-27

Proofs with even and odd--pg 140 24-33

Proofs with rationals--pgs 146-147 13-17 19 27-27 29

Proofs with divisibility--pg 154 1-13 17-26

Proofs using Q-R Thm--pg 164 37-41 43-44

Proofs using floor and ceiling--pg 170 14-25

Rational number demonstrations--pg 146 1-7 9-11

Computations using floor and ceiling--pg 170 1-9