

MATH 302 Discrete Mathematics

Assignment 4.

Due on Wednesday, October 7, 2009

Read: Sections 1.5–1.7, 2.1.

Definition: Write down the definitions for the following terms. [5 points]

fallacy of affirming the conclusion

fallacy of denying the hypothesis

even and **odd** for integers

rational real number

proper subset

Problems to be graded: [15 points]

§1.5/ 5, 14, 20, 24, 27.

§1.6/ 6, 9, 12, 18, 28,

§2.1/ 5, 6, 8, 16, 22,

Practice problems:

§1.5/ 3, 5, 9, 10, 15, 19, 23, 29.

§1.6/ 7, 11, 15, 16.

§2.1/ 3, 7, 9, 18, 21, 29, 34, 38.