

STUDY GUIDE FOR TEST I
MATH 1111

There will be 10 questions worth 10-points each. There will also be a 10-point bonus question.

Question	Objective
1	Solve a linear equation. [Section 1.1, p. 90, #17-48; Review Exercises, p. 145, #1, 2, 3, 4, 7]
2	Solve a formula for a specific variable. [Section 1.1, p. 91, #77-82]
3	Solve a quadratic equation by factoring and using the Zero Product Property [Section 1.2, p. 101, # 11-30; Review Exercises, p. 145, #6, 9]
4	Solve a quadratic equation by using the Quadratic Formula. [Section 1.2, pp. 101-102, #43-62; Review Exercises, p. 145, #5, 10, 13, 40-43]
5	Use the discriminant to determine the number and character of real solutions to a quadratic equation. [Section 1.2, p. 102, # 73-78]
6	Solve an equation involving a radical. [Section 1.4, pp. 117-118, #9-40; Review Exercises, p. 145, #11, 12, 15, 16, 17, 18, 19]
7	Solve an equation by factoring. [Section 1.4, p. 118, #75-88; Review Exercises, p. 145, #14, 20]
8	Solve a linear inequality. [Section 1.5, p. 128, #55-84; Review Exercises, p. 145, #28, 29, 30]
9	Solve an absolute value equation. [Section 1.6, p. 133, #9-32; Review Exercises, p. 145, #24, 25]
10	Solve an absolute value inequality. [Section 1.6, p. 133, #37-64; Review Exercises, p. 145, #31-34]