

Please review these problems and similar ones in your textbook to prepare for the final exam.

Section	Topic	Page(s)	Problems
1.2	Identify a function	80	5,7
1.2	Identify domain & range	81	25,31,33
1.3	Write linear equation	132	31-37
1.6	Do market analysis	135	67-72
2.1	Solve quadratic equations	196	1-10
2.2	Find vertex/max/min of quadratic equation	196	19-24
3.1	Add/subtract matrices if defined	275	9,10,12-17
3.2	Multiply matrices if defined	275	18-23,25
3.3	Do investment analysis	245-247	51,57,67
3.4	Do investment analysis	260	61,65
4.1	Graph inequalities & label vertices (if any)	347	1-4
4.2	Solve linear programming by graphing	347-348	5-12
5.1	Evaluate exponential equations	398	42
5.2	Use definition of logarithms on p.371	380	1-13 odd
5.3	Solve exponential equations	397	36-39
5.3	Do applied exponential problems	399	47, 49
6.2	Solve compound interest problems	460	14-23
6.3	Solve ordinary annuity problems	460	26,27,30
6.4	Solve ordinary annuity problems	460-461	31,32,34,36
6.5	Solve amortization problems	461	37,38,40

Hints on Preparing for a Math Exam:

- Have a study partner randomly select a few problems and quiz you on those problems. This type of drill simulates an actual testing situation in which you do not know what order the questions are going to appear.
- When first reading a test question, try to classify the problem. What strategy and/or formulas are necessary to solve this problem?
- Get in the habit of reading each test question carefully so that you answer exactly what is asked. You do not want to lose points on a math test because you rounded incorrectly or specified the wrong units of measurement, etc.
- *Optional Extra Credit:* study arithmetic sequences (section 6.1); geometric sequences (section 6.2); probability (section 7.1); and combinations vs. permutations (section 7.5).