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# Study Guide for MA180 Test II

*☺☺☺☺☺☺ Best of Luck! ☺☺☺☺☺☺☺*

1) *Please Review Your Test I, Since 50 Points of Test II Will be Based on Problems From Your Test I.*

2) *Please Review Practice Test II, and Chapter 3 Review Packet on my website (Note: My Solutions Are Also Available on the Site)*

3) *Please Review the Following HW Problems, and Study the Highlighted Problems Even More.*

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| *3.1* | Pencil problems, 1-10, 15, 17, 21, 29, 45, 51, 53, 55, 65, 69, 73, 79, 85, 97 | *Quadratic Functions and Models* |
| *3.2* | Pencil problems, 1-10, 17, 29, 33, 35, 39, 43, 49, 51, 61, 73, 79, 87, 91, 93, 97 | *Polynomial Functions and Models* |
| *3.3* | Pencil problems, 1-10, 15, 19, 25, 27, 29, 41, 43, 45, 47 | *Properties of Rational Functions* |
| **Quiz Two** *3.4* | Pencil problems 7, 15, 33, 51, 1-6, 9, 11, 17, 25, 39, 37, 47, 53, 55, 57, 59, 65, 67 | *The Graph of a Rational Function (obj. 1 & 2 Only)* |
| *3.5* | Pencil problems 5, 9, 21, 35 , 1,2, 3-55 EOO (every other odd) | *Polynomial and Rational Inequalities* |
| *3.6* | Pencil problems 11, 21, 33, 39, 63, 75 , 1-10, 15, 19, 25, 31, 41, 49, 55, 59, 65, 69 | *The Real Zeros of a Polynomial Function* |
| *3.7* | Pencil problems 7, 33 , 1-6, 7, 11, 15-40 EOO | *Complex Zeros: Fundamental Theorem of Algebra* |