

Del Mar College
 Department of Mathematics
 Math 1314 College Algebra
College Algebra by Lial, Hornsby, and Schneider (Tenth Edition)

<i>Textbook Sections</i>	<i>Suggested Textbook Exercises</i>
1.3 Complex Numbers	1.3 pg 109 #'s 17,19,22,27,28,37,42,45,48,51,56,69,71,74,83,87,88
1.4 Quadratic Equations	1.4 pg 119 #'s 13,16,17,21,25,26,31,33,36,39,42,45,51,52,53,54
1.6 Other Types of Equations	1.6 pg 142 #'s 7,9,10,11,13,14,17,20,27,31,37,39,40,45,48,77,79,81
1.7 Inequalities	1.7 pg 155 #'s 13,15,16,19,23,25,28,29,31,39,41,43,59,61,65,66,69,71, 72,76,79
1.8 Absolute Value Equations and Inequalities	1.8 pg 163 #'s 9,12,19,20,27,29,30,33,37,43,47,48,52
2.1 Rectangular Coordinates and Graphs	2.1 pg 191 11,12,15,19,21,22,25,27,31,32
2.2 Circles	2.2 pg 198 #'s 1,5,6,13,14,19,21,23,24,27
2.3 Functions	2.3 pg 213 #'s 1,4,5,8,9,11,14,17,18,19,20,21,43,44,53,54,63,67,73,74, 77,78,79
2.4 Linear Functions	2.4 pg 225 #'s 35,36,39,45,46,47,50,55,54,55,65,67,73,77
2.5 Equations of Lines	2.5 pg 242 #'s 5,7,9,13,14,17,18,19,20,31,33,37,38,41,44,47,49,50,57, 61
2.6 Graphs of Basic Functions	2.6 pg 255 #'s 11,13,14,15,19,23,27,28,31,32,47
2.8 Function Operations and Composition	2.8 pg 282 #'s 9,10,11,33,35,38,41,43,46,47,49,50,57,53,65,71,72,81, 82,83,84
3.1 Quadratic Functions	3.1 pg 313 #'s 13,15,17,19,20,21,23,31,32,34,47,48,49,51,55,56,59
4.1 Inverse Functions	4.1 pg 411 #'s 3- 8,9,10,13,41,43,45,46,55a,56a,59a,63a,65a,67a,71,75
4.2 Exponential Functions	4.2 pg 427 #'s 13,15,16,21,49,52,55,60,62,71,72,73,75
4.3 Logarithmic Functions	4.3 pg 441 #'s 3- 10,13,15,17,23,25,29,45,59,61,65,67,69,71,73
4.4 Evaluating Logarithms	4.4 pg 453 #'s 11,13,15,16,61,63,71
4.5 Exponential and Logarithmic Equations	4.5 pg 464 #'s 5,7,11,13,23,26,29,33,37,39,41,43,47,49
4.6 Applications of Exponential Growth and Decay (Optional)	4.6 pg 475 #'s 7,9,11,13,17,27,29

5.2 Matrix Solution of Linear Systems	5.2 pg 518 #'s 15,17,25,27,33,34,35,37
5.3 Determinant Solution of Linear Systems	5.3 pg 530 #'s 1,15,18,61,63,73,74
5.5 Nonlinear Systems of Equations	5.5 pg 549 #'s 1,9,11,13,15,16,23,35,28,37,73,74,77
6.2 Ellipses	6.2 pg 624 #'s 3,5,7,11,12,13,14,15,17,21
6.3 Hyperbolas	6.3 pg 634 #'s 5,7,9,11,13,17,18,19,23,31,33,35,39