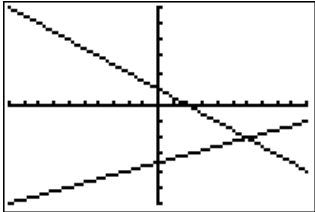


Algebra II/Trigonometry
Unit 1 Syllabus¹
Equations, Inequalities, and Linear Functions

Homework for Unit 1	
Lesson 1 Basic computations and equations	(1.2): 21, 31, 36, 43, 50, 62. (1.3): 15, 26, 45, 46, 54, 71. (1.4): 7, 14, 28, 31, 38(a). (A) From Unit 1 Testbank: 3– 7 , 8.
Lesson 2 Linear equations	(1.5): 25, 28, 32, 33. (A) From Unit 1 Testbank: 15, 16 , 17 (B) Combined Rate Problems (From Testbank): 30, 31 , 32–35.
Lesson 3 Linear inequalities; Absolute value equations and inequalities	(1.6): 11, 12, 26, 33, 40, 41, 47, 60. (A) From Unit 1 Testbank: 19 (all parts), 20–27, 29, 37. (1.7): 25, 28, 37, 38, 52, 53, 54, 79, 80. (B) From Unit 1 Testbank: 10–13, 36. (1.4): 7, 14, 28, 31, 38(a).
Lesson 4 Functions and relations; Graphs of linear equations	(2.1): 38, 39, 46. (2.2): 18, 19, 27, 46, 49 . (2.3): 14, 17, 35, 37, 60, 62.
Quiz	(A) From Unit 1 Testbank: 14, 18, 38, 39.
Lesson 5 Writing linear equations; Direct variation	(2.4): 4, 5, 17, 20, 25, 29, 34, 42, 43, 56 . (A) From Unit 1 Testbank: 40–42. (2.5): 18–23, 24, 25, 39. (B) From Unit 1 Testbank: 43, 44.

¹Exercises are taken from your textbook, ALGEBRA 2, by Ron Larson, Laurie Boswell, Timothy D. Kanold, and Lee Stiff, McDougal Littell, Evanston Illinois, 2007, ISBN 13:978-0-618-59559-4.

Homework for Unit 1, cont'd	
Lesson 6 Transformations	(2.7): 15–20, 23– 26 . (A) From Unit 1 Testbank: 45.
Lesson 7 Linear inequalities in the plane	(2.8): 14– 18 , 25, 26, 41, 44. (A) From Unit 1 Testbank: 46, 47.
Lesson 8 Systems of linear equations	<p>(3.1): 3, 7, 8, 9 (try to use your TI-84 to graph and to estimate the solution. As a simple example, the graph corresponding to problem 6 is given below. Bear in mind, though, that you'll need to solve for y in each case before inputting.)</p> <div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; font-family: monospace; font-size: 0.8em;"> <pre> Plot1 Plot2 Plot3 Y1=1-(1/2)X Y2=(1/4)X-(7/2) Y3= Y4= Y5= Y6= </pre> </div> <div style="text-align: center;">  </div> <div style="text-align: right;"> <p>(Estimated solution is $(6, -2)$.)</p> </div> </div> <p>(3.1): 20, 21, 28, 36. (A) From Unit 1 Testbank: 48. (3.2): 7, 10, 14, 19, 20. 59, 61. (B) From Unit 1 Testbank: 51, 52.</p>
Lesson 9 Systems of linear inequalities;	(3.3): 7–9, 23, 24 . (A) From Unit 1 Testbank: 53, 54.
	Unit 1 Test