

Lansing Community College
Department of Mathematics and Computer Science
MATH121 Homework Assignments (Bittinger, Beecher, Ellenbogen, Penna, 4th ed.)

Section	Pages	Problems
R.1	7 – 8	1, 3, 5, 6, 7, 9, 13, 17, 19, 23, 25, 27, 53, 55, 59, 63, 81, 83, 85
R.2	15 – 17	1, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 29, 31, 35, 37, 39, 41, 43, 45, 47, 49, 53, 55, 61, 63, 65, 69, 73, 75, 79, 81, 83, 85, 91, 93, 95, 101, 103, 105
R.3	22	3, 9, 13, 19, 27, 28, 31, 33, 37, 39, 41, 43, 44, 45, 47, 50, 51
R.4**	30 – 32	3, 7, 9, 11, 15, 17, 21, 25, 27, 29, 31, 33, 34, 35, 37, 39, 41, 43, 45, 47, 49, 55, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 85, 89, 93, 97, 99, 103, 107, 109, 113, 119, 121, 127, 131, 133, 141
R.5	34 – 35	7, 15, 25, 29, 31, 35, 39, 45, 49, 51, 53, 55, 59, 61, 63, 67, 69
R.6	43 – 45	1, 3, 5, 7, 9, 11, 13, 17, 21, 27, 29, 33, 37, 39, 51, 55, 57, 59, 63, 65, 69, 73, 77, 81
R.7	52 – 54	1, 5, 7, 9, 13, 17, 19, 21, 23, 29, 31, 33, 35, 39, 41, 45, 47, 49, 51, 53, 55, 56, 57, 58, 59, 61, 65, 69, 71, 75, 79, 83, 85, 89, 91, 93, 97, 101, 103, 107, 109, 111, 113, 115, 119, 121, 123, 125, 127
Review*	56 – 58	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 27, 29, 31, 34, 35, 36, 37, 39, 40, 41, 43, 44, 45, 47, 49, 51, 53, 55, 56, 57, 58, 59, 61, 62, 63, 65, 73, 75, 77
1.1	75 – 79	3, 5, 7, 9, 11, 15, 17, 21, 27, 39, 41, 43, 47, 51, 55, 57, 59, 63, 65, 70, 71, 73, 75, 77, 79, 81, 83, 85, 89, 91, 95, 97, 99, 101, 103, 105, 109, 111, 113, 115, 119, 123, 127, 131
1.2	91 – 98	1, 3, 5, 7, 11, 13, 17, 19, 21, 23, 24, 25, 27, 29, 31, 33, 35, 37, 38, 40, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 65, 66, 67, 68, 69, 70, 71, 72, 73, 75, 77, 79, 81, 83, 85, 86, 87, 95, 97, 99, 101, 103, 105, 107, 109
1.3	110 – 114	1, 3, 5, 8, 9, 13, 17, 19, 22, 25, 27, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 55, 57, 63, 67, 69, 71, 73, 77, 79, 83, 85, 89, 91, 93, 94, 95, 97
1.4	124 – 128	1, 3, 5, 7, 9, 13, 15, 17, 19, 25, 27, 29, 31, 33, 35, 41, 43, 47, 49, 51, 53, 55, 57, 59, 61, 63, 67, 79
1.5	143 – 149	3, 7, 11, 15, 19, 29, 31, 33, 35, 37, 41, 43, 51, 55, 59, 61, 63, 71, 73, 81, 85, 87, 89, 91, 93, 95, 97, 99, 101, 107, 111, 113
1.6	154 – 155	3, 7, 11, 13, 15, 19, 25, 27, 29, 33, 37, 41, 43, 45, 47
Review*	157 – 161	1, 3, 5, 7, 9, 11, 13, 15, 16, 17, 23, 24, 25, 26, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 92, 93
2.1	175 – 181	1, 3, 5, 6, 7, 9, 11, 12, 13, 15, 19, 21, 23, 27, 29, 33, 35, 39, 41, 42, 43, 45, 47, 49, 51, 55, 59, 63, 71, 73, 75, 77, 89
2.2	187 – 189	1, 3, 5, 7, 9, 11, 15, 17a, 19a, 21a, 23a, 25a, 27a, 29a, 31a, 32a, 33, 35, 37, 41, 43, 47, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 79, 81
2.3	196 – 197	1, 3, 5, 7, 9, 11, 15, 17, 19, 21, 23, 25, 27, 31, 33, 35, 37, 39, 41, 43, 45, 51
2.4	214 – 218	1, 3, 5, 7, 13, 17, 19, 23, 25, 29, 33, 35, 37, 39, 41, 47, 49, 51, 53, 55, 59, 63, 75, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 112, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 135, 141, 143, 147, 151, 155, 159, 160, 161
2.5	224 – 227	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 25, 27, 29, 31, 33, 35, 43
Review*	228 – 231	1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 18, 19, 23, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81
3.1	242 – 243	1, 3, 5, 7, 9, 11, 19, 23, 27, 33, 35, 37, 43, 45, 53, 61, 65, 69, 71, 73, 75, 77, 79, 81, 83, 85, 89, 91, 92, 93, 95, 97, 99
3.2	257 – 260	1, 3, 5, 9, 11, 13, 15, 17, 19, 21, 23, 29, 33, 39, 41, 43, 49, 53, 55, 57,

		63, 67, 73, 83, 87, 91, 97, 99, 101, 107, 113, 117, 119, 121, 123, 125, 129, 131, 135, 137, 139, 141, 143
3.3	272 – 275	1, 3, 5, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35, 43, 45, 46, 47, 49, 53, 61, 63, 65, 66, 67
3.4	282 – 284	3, 5, 9, 15, 17, 21, 23, 25, 27, 31, 39, 41, 43, 45, 51, 55, 63, 65, 67, 69, 75, 79, 81, 83, 85, 87, 89, 91, 95, 97, 99
3.5	287 – 288	1, 3, 5, 7, 9, 13, 17, 21, 25, 27, 29, 31, 33, 35, 37, 41, 45, 47, 49, 51, 57, 59, 61, 63, 73, 75, 77
Review*	290 – 292	1, 2, 3, 4, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 24, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63
4.1	307 – 312	1, 3, 5, 9, 11, 12, 13, 15, 17, 19, 20, 21, 22, 23, 25, 27, 28, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 52, 53, 55, 57, 59, 60, 61, 63, 67, 69, 71, 73, 75, 77, 79, 81, 87, 89, 91
4.2	321 – 322	1, 3, 4, 5, 6, 7, 9, 11, 13, 17, 18, 21, 22, 23, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 51
4.3	329 – 331	1, 3, 5, 7, 9, 11, 15, 19, 21, 23, 27, 29, 30, 31, 35, 37, 38, 39, 41, 45, 47, 49, 53, 55, 57, 59, 63, 65, 67, 69, 73, 75
4.4	339 – 341	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 39, 41, 43, 45, 47, 49, 51, 53, 55, 61, 67, 69, 71, 75, 77, 95, 97, 99, 103, 113
4.5	357 – 360	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 49, 53, 57, 63, 65, 67, 71, 75, 77, 79, 81, 83, 84, 85, 97
4.6	368 – 371	1, 3, 5, 6, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 31, 33, 35, 39, 45, 53, 55, 57, 59, 61, 63, 65, 66, 69, 73, 75, 77, 79, 81, 83, 84, 91, 97, 99
Review*	373 – 377	1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 15, 17, 18, 19, 20, 21, 23, 25, 27, 29, 31, 33, 34, 35, 37, 39, 41, 43, 44, 45, 47, 48, 49, 51, 53, 54, 55, 57, 59, 61, 63, 65, 67, 69, 70, 71, 73, 75, 76, 77, 79, 81, 82, 83, 85, 86, 87, 89, 91, 93, 95, 97
5.1	389 – 393	1, 3, 5, 7, 11, 15, 21, 23, 25, 27, 29, 31, 33, 35, 39, 47, 49, 53, 55, 59, 61, 63, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 91, 93, 95, 97, 98, 99, 101, 103, 105, 107, 109, 111, 113, 116, 117
5.2	403 – 408	1, 3, 5, 7, 9, 11, 15, 21, 25, 27, 31, 35, 37, 41, 43, 45, 55, 59, 61, 63, 65, 67, 69, 71, 73, 77, 79, 81, 83, 85, 89, 93, 97, 101, 103, 105
5.3	423 – 426	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 50, 51, 55, 59, 61, 63, 65, 67, 69, 73, 75, 77, 79, 81, 83, 85, 87, 89, 93, 95, 107, 109, 111, 113, 114, 119
5.4	433 – 434	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 78, 79, 81, 83, 85, 86, 87, 89, 91, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 107, 109
5.5	444 – 445	1, 3, 5, 7, 9, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 36, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 59, 61, 63, 65, 69, 81, 83, 85, 87, 95, 96
5.6	455 – 463	1, 3, 5, 7, 9, 11, 13, 15, 17, 23, 25, 27, 37, 39, 41, 45
Review*	464 – 468	1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 24, 25, 27, 29, 31, 32, 33, 34, 35, 36, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 60, 61, 62, 63, 65, 67, 69, 71, 73, 75, 76, 77, 79, 81, 83, 87, 89, 91, 93, 95, 97, 99, 101

*Review problems are optional and may not be covered in class.

**Note that Trinomials of the type $ax^2 + bx + c$, $a \neq 1$ on page 26 is not review for students coming from MATH 112. Please do cover this topic in class.

Department handouts for this course can be found at: http://www.lcc.edu/mcs/handouts/math121_122_126.htm and then clicking on the Math 121 link.