## Lansing Community College Department of Mathematics and Computer Science MATH121 Homework Assignments (Bittinger, Beecher, Ellenbogen, Penna, 5<sup>th</sup> ed.)

Section	Pages	Problems
R.1	7 – 8	1, 3, 5, 6, 7, 9, 13, 17, 19, 23, 25, 27, 53, 55, 59, 63, 79, 81, 83
R.2	14 – 17	1, 5, 7, 9, 13, 17, 19, 21, 23, 29, 33, 35, 37, 43, 47, 49, 53, 55, 63, 65,
14.2	11 17	69, 73, 75, 80, 81, 83, 85, 93, 95, 99, 101, 103
R.3	21	3, 9, 17, 27, 29, 35, 41, 43, 47, 49, 52, 53,
R.4	29 - 30	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, 67, 69, 71, 73, 75, 79, 81, 83, 85, 89, 93, 97, 99, 103,
		107, 109, 113, 119, 121, 127, 131, 133, 139
R.5	33 - 34	7, 15, 25, 29, 31, 35, 45, 49, 51, 53, 55, 59, 61, 63, 65, 66, 67, 69, 71,
		73, 75, 76, 79, 81, 85, 87
R.6	42 - 43	1, 3, 7, 9, 11, 13, 15, 17, 21, 27, 29, 33, 37, 39, 51, 55, 57, 59, 63, 65,
		67, 69, 71, 75, 79
R.7	50 - 52	1, 5, 7, 9, 13, 17, 19, 21, 23, 29, 31, 33, 35, 39, 45, 47, 49, 51, 53, 55,
		56, 57, 58, 60, 61, 65, 69, 71, 73, 75, 79, 83, 85, 89, 91, 93, 97, 101,
		103, 107, 109, 111, 113, 115, 119, 121, 123, 125
Review*	54 - 55	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24,
		25, 26, 27, 28, 29, 30, 31, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 47,
		49, 51, 53, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 67, 71, 73
1.1	70 - 73	3, 5, 7, 9, 11, 15, 17, 21, 27, 39, 41, 43, 47, 51, 55, 57, 59, 63, 70,
		71, 75, 77, 79, 81, 83, 85, 89, 91, 95, 97, 99, 101, 103, 105, 109, 111,
	0.5	113, 115, 119, 121, 125, 127, 129
1.2	85 - 90	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, 63, 67, 68, 69, 70, 71, 72, 73,
1.2	102 106	74, 75, 77, 79, 81, 83, 85, 87, 89, 97, 98, 99, 101, 103, 104
1.3	102 - 106	1, 3, 5, 8, 9, 13, 17, 19, 22, 25, 27, 31, 33, 35, 37, 39, 43, 45, 49, 51, 57,
1.4	117 120	59, 65, 69, 71, 73, 75, 77, 79, 83, 85, 87, 89
1.4	117 - 120	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, 77, 79
1.5	134 – 138	3, 7, 9, 11, 15, 19, 29, 31, 35, 37, 41, 43, 49, 51, 55, 59, 61, 63, 71, 73,
1.5	134 – 136	81, 85, 87, 89, 91, 105
1.6	142 - 143	3, 7, 11, 13, 15, 17, 19, 21, 25, 31, 33, 35, 39, 43, 47, 51
Review*	151 – 155	1, 2, 3, 4, 5, 6, 7, 9, 11, 13, 15, 16, 17, 21, 23, 25, 26, 27, 29, 30, 31, 33,
Review	131 133	35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71,
		73, 76, 77, 79, 82, 83, 85, 87, 89, 91, 93, 94
2.1	169 – 174	1, 3, 5, 6, 13, 15, 19, 21, 23, 27, 29, 33, 35, 39, 41, 42, 43, 45, 47, 49,
		51, 55, 57, 59, 63, 71, 73, 75, 87
2.2	180 - 182	1, 3, 5, 7, 9, 11, 15, 11, 15, 17, 19, 21, 23, 25, 27, 29, 31, 32, 35, 37, 39,
		43, 45, 49, 53, 55, 57, 59, 61, 63, 65, 67, 69, 75
2.3	188 - 190	1, 3, 5, 7, 9, 15, 17, 19, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47,
		49, 51, 53, 63
2.4	197 – 198	1, 3, 5, 7, 13, 17, 19, 23, 25, 33, 35, 37, 39, 41, 47, 49, 51, 55, 57, 59
2.5	210 - 212	1, 3, 7, 11, 15, 27, 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, 91, 93, 97
2.6	218 - 220	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35
Review*	229 - 232	1, 2, 3, 4, 5, 7, 9, 11, 13, 14, 15, 16, 17, 18, 19, 21, 23, 25, 27, 29, 30,
		31, 32, 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, 87
3.1	241 - 242	1, 3, 5, 7, 9, 11, 19, 23, 27, 33, 35, 37, 43, 45, 53, 61, 65, 69, 73, 77, 79,
2.2	255 256	81, 85, 94, 95, 97, 101,
3.2	255 - 259	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31, 35, 41, 43, 45, 51, 55, 57,
		59, 61, 65, 69, 75, 85, 89, 93, 97, 99, 101, 103, 107, 117, 123, 133, 137,

		139, 141, 145, 147
3.3	270 - 273	1, 3, 5, 11, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 43, 45, 46, 47, 49, 53, 57, 61, 63, 64, 65
3.4	281 - 282	3, 5, 11, 17, 19, 23, 25, 27, 29, 33, 41, 45, 49, 53, 57, 65, 67, 71, 75, 77,
3.5	285 – 286	79, 81, 83, 85, 87, 89, 91, 95, 97, 99 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*	293 – 296	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, 46, 47, 49, 51, 53, 55, 56, 57, 59, 61, 65, 67, 69
4.1	309 - 314	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, 65, 67, 69,
		71, 73, 75, 77, 78, 79, 85, 87, 89
4.2	323 - 324	1, 3, 4, 5, 6, 7, 9, 11, 13, 17, 19, 25, 27, 33, 35, 37, 39, 43, 45, 53, 55
4.3	331 - 333	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, 63, 65, 67, 69, 71, 73
4.4	342 - 344	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, 63, 69, 71, 73, 77, 79, 97, 99, 103, 113
4.5	362 - 365	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 47,
	252 255	55, 59, 65, 69, 71, 75, 79, 81, 83, 85
4.6	372 - 375	1, 3, 5, 6, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 31, 33, 35, 39, 45, 53, 55,
D : 4	205 200	57, 59, 61, 63, 65, 69, 73, 75, 77, 79, 81, 87, 91, 93, 95
Review*	385 - 389	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, 70, 71, 73, 75, 76, 77, 79, 81, 82, 83, 85, 90, 91, 92, 93, 95,
		96, 97, 98
5.1	400 - 404	1, 3, 5, 7, 11, 15, 21, 23, 25, 27, 29, 31, 33, 35, 39, 47, 49, 53, 55, 59,
5.1	100 101	61, 63, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 91, 93, 95, 97, 98, 99,
		101, 109, 111, 112, 113
5.2	412 - 416	1, 3, 5, 7, 9, 11, 15, 21, 25, 27, 31, 35, 37, 41, 43, 45, 47, 49, 51, 53, 55,
		57, 63, 65, 69, 73, 75, 77, 79, 81, 85, 87, 89, 91, 101, 105, 107, 109,
		113
5.3	430 - 433	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, 79,
		81, 83, 85, 87, 89, 91, 93, 97, 99, 109, 111, 113, 115, 117, 119, 121
5.4	441 - 443	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41,
		42, 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, 93, 95, 97, 99, 103, 105, 107
5.5	452 - 453	1, 3, 5, 7, 9, 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, 83, 85, 87,
<i>5.6</i>	462 470	89, 91, 95
5.6 Review*	463 – 470 477 – 481	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 27, 35, 37, 39, 41
Keylew.	4//-401	1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 24, 25, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47,
		49, 51, 53, 55, 57, 59, 60, 61, 63, 65, 67, 69, 71, 72, 73, 76, 77, 79, 81,
		83, 85, 87, 89, 91, 93, 95, 101, 103
		,,,,,,,

<sup>\*</sup>Review problems are optional and may not be covered in class. Department handouts for this course can be found in D2L.