

Lansing Community College
 Department of Mathematics and Computer Science
 MATH 121 Homework Assignments
 (Precalculus: Mathematics for Calculus: Steward, Redlin, Watson, 7th ed.)

| Section | Pages | Problems |
|---------|---------|--|
| 1.1 | 10-12 | 1, 3, 5, 23, 27, 29, 31, 41, 45, 47, 59, 61, 69, 75, 81, 87, 91†, 93. |
| 1.2 | 21-25 | 17, 19, 39, 41, 43, 47, 49, 51, 53, 59, 63, 67, 69, 73, 77, 79, 81, 83, 85, 91, 101. |
| 1.3 | 33-35 | 19, 25, 39, 43, 47, 57, 59, 61, 67, 71, 75, 77, 79, 81, 85, 93, 95, 109, 111, 119, 121, 129, 135. |
| 1.4 | 42-45 | 2, 5, 6, 11, 13, 19, 27, 33, 35, 43, 45, 55, 59, 65, 69, 71, 73, 75, 81, 85, 91, 95, 97, 101, 103, 97. |
| 1.5 | 55-59 | 19, 29, 31, 34, 35, 39, 45, 51, 55, 61, 6, 63, 7, 73, 77, 85, 89, 97, 101, 103, 107, 109, 113, 119, 129, 135, 132. |
| 1.6 | 63-64 | 1, 5, 7, 11, 15, 19, 23, 29, 35, 39, 43, 45, 47, 49, 53, 55, 57, 59, 61, 63, 69, 85†. |
| 1.7 | 75-81 | 21, 23, 25, 27, 37, 41, 43, 47, 49, 51, 53, 55, 57, 61, 63, 69, 71, 77, 79, 81, 85, 87, 89, 91, 93†. |
| 1.8 | 88-91 | 1, 2, 3, 21, 27, 33, 35, 43, 45, 55, 61, 65, 69, 71, 81, 83, 85, 93, 97, 101, 109, 111, 117, 119, 121, 123, 127, 131† |
| 1.9 | 101-106 | 1, 3, 5, 15, 17, 35, 45, 49, 55, 59, 63, 67, 69, 71, 73, 75, 79, 85, 89, 91, 93, 97, 99, 103, 107, 111, 113, 115, 117. |
| 1.10 | 114-116 | 3, 7, 9, 11, 19, 23, 25, 29, 35, 37, 43, 47, 61, 63, 65, 67, 73, 75, 81, 83, 85, 87, 89, 93, 95. |
| 1.11 | 121-122 | 1, 2, 3, 4, 5, 9, 11, 15, 17, 19, 29, 33, 35, 37, 45, 47. |
| 1.12 | 127-130 | 1, 2, 3, 9, 11, 15, 19, 21, 23, 25, 27, 31, 35, 39, 43, 45, 47, 51, 53, 57. |
| 2.1 | 155-159 | 2, 3, 5, 6, 9, 11, 17, 19, 21, 23, 24, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 53, 55, 57, 59, 63, 65, 69, 71, 77, 79, 81, 83, 85, 91. |
| 2.2 | 166-170 | 3, 4, 9, 19, 21, 23, 27, 29, 33, 35, 39, 43, 45, 49, 51, 53, 61, 65, 67, 69, 71, 75, 77, 81, 83, 85, 87. |
| 2.3 | 178-182 | 1, 4, 5, 7, 9, 15, 19, 21, 23, 25, 27, 33, 35, 39, 41, 43, 47, 49, 51, 55, 59, 61, 65, 69. |
| 2.4 | 187-190 | 1, 3, 5, 6, 7, 9, 13, 15, 19, 21, 23, 25, 27, 29, 31, 35, 37, 39. |
| 2.5 | 195-197 | 1, 3, 4, 5, 7, 11, 13, 17, 19, 21, 27, 29, 31, 35, 37, 41, 43, 45, 49, 51. |
| 2.6 | 206-210 | 3, 4, 5, 6, 7, 9, 11, 15, 17, 19, 21, 23, 25-28, 37, 39, 47, 49, 51, 53, 55, 57, 61, 67, 69, 71, 73, 85, 87, 91, 93, 95. |
| 2.7 | 216-218 | 1, 2, 3, 4, 5, 9, 13, 15, 17, 19, 20, 23, 29, 31, 32, 35, 39, 41, 43, 45, 49, 51, 57, 55, 59, 63, 65, 67, 71, 75, 77, 79, 83. |
| 2.8 | 225-229 | 1, 2, 4, 5, 7, 9, 11, 15, 17, 23, 25, 26, 27, 29, 31, 33, 35, 39, 43, 45, 47, 55, 57, 61, 67, 73, 83, 85, 89, 95, 99, 103. |
| 3.1 | 251-254 | 1, 3, 4, 5, 15, 17, 21, 27, 33, 35, 37, 43, 47, 51, 55, 57, 63, 64, 65†, 67. |
| 3.2 | 265-268 | 1, 2, 3, 4, 6, 7, 9, 11, 13, 21, 23, 27, 29, 35, 37, 41, 45, 49, 55, 61, 65, 67, 75, 81, 83, 85, 87, 89, 92†. |

| | | |
|------|---------|---|
| 3.3 | 273-275 | 1, 2, 3, 5, 7, 9, 11, 13, 19, 23, 31, 35, 37, 39, 41, 47, 49, 53, 55, 57, 61, 63, 67, 69, 71, 73, 75. |
| 3.4 | 283-286 | 1, 3, 5, 7, 11, 13, 15, 19, 25, 27, 29, 33, 41, 45, 51, 53, 55, 57, 59, 61, 91, 95, 99, 102, 107, 108†. Note: Descartes' Rule of Signs is optional. |
| 3.5 | 293-294 | 1, 4, 5, 6, 7, 9, 13, 25, 29, 31, 35, 37, 39, 41, 43, 47, 51, 61, 67, 69, 73, 75, 76†. |
| 3.6 | 308-311 | 1, 2, 7, 9, 11, 15, 17, 21, 23, 25, 27, 33, 35, 41, 45, 53, 59, 63, 65, 57, 69, 73, 77, 79, 87, 89, 93, 94†. |
| 3.7 | 316-317 | 3, 7, 13, 23, 27, 29, 31, 35, 37, 41, 42, 43, 45, 51, 55, 57. |
| 4.1 | 336-338 | 1, 2, 5, 7, 9, 13, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 39, 43, 45, 51, 57, 63, 65. |
| 4.2 | 341-343 | 1, 2, 3, 5, 7, 11, 17, 18, 19, 23, 25, 27, 29, 31, 33, 35, 39. |
| 4.3 | 351-354 | 4, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 57, 63, 67, 69, 71, 73, 75, 79, 89, 95†, 97, 105†. |
| 4.4 | 358-360 | 4, 5, 6, 7, 11, 13, 15, 17, 19, 21, 31, 37, 41, 43, 45, 47, 49, 51, 53, 55, 57, 61, 67, 73, 75, 76. |
| 4.5 | 368-370 | 3, 7, 9, 15, 17, 21, 27, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 59, 61, 63, 65, 67, 69, 77, 83, 85, 87, 89, 91, 95, 97, 99, 101, 105†. |
| 4.6 | 378-380 | 1, 3, 5, 7, 9, 11, 13, 17, 19, 21, 23, 25, 27. |
| 4.7* | 385-386 | 1, 3, 9, 11, 13, 15, 17. |

†: Tough. Instructors may assign this problem as a group project or honors options.

*: Optional. Instructors may assign the problems