

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, 27, 29, 31, 41, 45, 47, 53, 55, 57, 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, 43, 47, 57, 59, 61, 67, 71, 72, 75, 77, 79, 81, 85, 93, 95, 104, 109, 111, 119, 121, 129, 135.
1.4	42-45	2, 5, 6, 11, 13, 19, 27, 33, 35, 43, 45, 55, 57, 58, 59, 65, 69, 71, 73, 74, 75, 81, 85, 91, 95, 97, 101, 103.
1.5	55-59	6, 7, 19, 29, 31, 34, 35, 39, 51, 55, 61, 63, 73, 77, 85, 89, 91, 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, 69, 71, 74, 77, 79, 81, 85, 87, 89, 91, 93†.
1.8	88-91	1, 2, 3, 27, 33, 35, 36, 43, 45, 55, 61, 65, 69, 71, 81, 83, 85, 88, 93, 97, 101, 109, 111, 117, 119, 121, 123, 127.
1.9	101-106	1, 3, 5, 15, 17, 35, 45, 49, 55, 63, 67, 69, 73, 75, 79, 85, 89, 91, 93, 97, 99, 103, 107, 111, 113.
1.10	114-116	3, 7, 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, 34, 36, 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, 57, 59, 63, 65, 66, 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, 22, 23, 29, 31, 32, 35, 39, 41, 43, 45, 49, 51, 55, 57, 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, 68, 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, 57, 59, 63, 65, 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, 12, 13, 14, 15, 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