

Math 1022 RECOMMENDED HOMEWORK PROBLEMS Fall 2018

Textbook: Stewart/Redlin/Watson's *Precalculus: Mathematics for Calculus*, 7th edition, and Enhanced WebAssign, Cengage Learning.

You are expected to complete **all** problems on this list, writing out complete solutions. The problems written in ***bold, italicized font*** are also assigned on WebAssign (where they may be slightly modified).

Note: WebAssign may **NOT** include examples of all problem types, so it is essential you complete **ALL** assigned text problems in addition to the WebAssign problems.

Chapter 2: Functions & Chapter 3: Polynomial and Rational Functions

- 2.1 19, 20, 22, **23, 24, 25**, 28, 31, **34, 35**, 36, 37, 43, **44, 46**, 47, **49**,
55, 57, **58, 59**, 60, 61, **64**, 65, **66**, 69, 70, 80, **85**, 87
- 2.2 4, 35, **36, 40**, 41, **45, 49**, 50, 51, 52
- 2.3 7, 8, 31, **32**, 33, **34**, 43, 44, 45, 46
- 3.7 **1, 2, 3, 5, 17, 20**, 23, **31**
- 2.6 23, **24**, 25, 26, 27, 28, **29, 31**, 32, 34, 36, 38, 45, 46, **48**, 49, 50,
54, 55, **57, 58**, 63, **64**, 65, **68**, 70, **85**, 86, 87, **88, 90**, 91, 93, 94,
96
- 3.6 13, **14, 17**, 20, 22, **23**, 27, **28, 29**, 30, 31, **32, 35**, 39, **41, 42**
- 2.7 9, **11, 13**, 15, **27**, 28, 29, **30, 31, 32**, 33, 34, 35, 36, 37, 38, 39, 40,
41, 42, 43, 44, 45, 46, **48, 49, 52**, 55, 57, **58, 59, 60, 63**, 66, **67**
- 2.8 7, 8, 9, 10, **11**, 12, **25**, 26, 29, 39, 43, 45, **49, 50, 51, 53**, 55, 56,
61, 65, 68, 71, 73, **86**, 88, **89, 93, 94**, 95

Chapter 4: Exponential and Logarithmic Functions

- 4.1 **17**, 18, 25, 26, **27, 29**, 36, **39, 57, 58**, 59, 60, 61, 62
- 4.2 7, 8, 9, 10, 11, **12, 13, 14, 15**, 16, **34, 35**, 36, **37**
- 4.3 7, 8, **9, 10, 12**, 14, 15, **17, 18**, 19, **22, 23, 25, 27**, 28, **29**, 32, **33**,
34, 37, **38, 39**, 41, 42, **43**, 57, 58, 59, 60, **64, 65**, 70, **73, 75, 76**
- 4.4 7, 8, 9, **12, 18**, 29, 30, 33, 36, 37, **38, 39**, 42, **46, 47, 52, 53**, 54,
55, **56, 58**
- 4.5 4, 5, **6, 8**, [12, 13, **15**, 16, 17, **21**, 22, **33, 35, 38**] (only complete
(a) for 12-38), **39**, 40, **45**, 48, 51, **53**, 56, 57, 64, **65, 66, 67, 82**,
89, 90, 91, **94**
- 4.6 5, 6, 7, **8**, 17, 18, 20, **23, 24**

Chapter 6: Trigonometric Functions: Right Triangle Approach

- 6.1 5, 8, **9**, 10, 16, 17, 18, **19**, **20**, **37**, 38, 47, **48**, **51**
6.2 3, **4**, 7, 8, **9**, 23, **24**, **26**, 29, **34**, **35**, 37, **38**, **42**, **47**, 48, 50, 60, 61
6.3 9c, 10a, 25, **26**, **27**, **28**, 29, 30, 31, **32**, **33**, 34, 35, **36**, 37, **38**, **39**,
40, **47**, **48**, **50**, 51, **53**, 54, 55
6.4 **5**, **6**, 7, 8, 29, **30**, **31**, 32, 33, 34, **35**, **36**, 37, 38

Chapter 5: Trigonometric Functions: Unit Circle Approach

- 5.3 7, 8, 9, 11, **12**, 15, 16, 19, 20, **21**, **22**, 26, **29**, 30, **32**, **47**, **48**
5.5 3, 4, **5**, 6, 7, 8, **9**, 10, **23**, **24**, **25**, 26, 29, **30**, 34, 35, **37**, **38**, 40, **41**,
43, **44**, **45**, 46, **47**, 48

Chapter 7: Analytic Trigonometry

- 7.1 5, 7, 10, 11, **13**, 14, 18, 20, **23**, 25, 39, 40, 45, 57, 58, 62, 63, 64,
71, 89, 90, 91, **92**, **93**, **94**, 105, 106, **108**
7.2 **17**, 24, **25**, 26, 27, 28, 35, 36
7.3 **3**, **4**, 5, **51**, **53**, 73, **75**, 76, **78**
7.4 5, 6, 7, 8, 13, **14**, 17, **18**, 19, **20**, 25, 26, 27, **28**, **33**, 34, **42**, **45**, 46
7.5 18, **19**, **43**, 45, **47**, 48

Chapter 8: Polar Coordinates

- 8.1 25, **26**, **27**, 28, **29**, 31, 32, **33**, 36, **37**, **38**, **43**, 44