

## Math 43 Tentative Homework

LEARN	:	You should consult your notes, your textbook, the solution manual, a tutor or study partner as needed when doing these exercises, to make sure you understand the logic of the problem solving process. Check your answers against the solutions, figure out what you did incorrectly, and redo the problem, writing the solution logically, clearly and succinctly. Then do another (possibly unassigned) problem of the same type to make sure you understand.
PRACTICE	:	Try to do these without any of the help mentioned above. Check your answers against the solutions <b>only</b> when you have come up with your own answer. If your answer was incorrect, try to figure out what you did incorrectly without getting help. Then do another (possibly unassigned) problem of the same type to make sure you understand. Do more learning problems if needed.
TEST	:	Do these without any help. Make sure you can complete these all the way through without stopping for extended periods of time to think about the next step. Think how to check your answer without using the solutions. Do more learning and practice problems if needed.

Remember: If you hope to pass this class, you should do **more** than the homework assigned below.

### MIDTERM 1 SECTIONS

#### QUIZ 1 SECTIONS

##### HYPERBOLIC FUNCTIONS SUPPLEMENT

LEARN	:	0, 1bej, 2a, 3abc, 4ad, 5abdegh, 6, 7bd
PRACTICE	:	1acfhlm, 2c, 3de, 4be, 5cf, 7ac
TEST	:	1dgikn, 2bd, 3f, 4cf, 7e

#### QUIZ 2 SECTIONS

10.7	LEARN	:	1–5, 11, 21, 25, 37, 49, 51, 71, 73, 79, 83, 107, 113, 117, 119, 121, 125, 129-132, 135
	PRACTICE	:	7, 17, 19, 27, 39, 45, 57, 75, 81, 93, 97, 99, 103, 105, 111, 115
	TEST	:	6, 12, 22, 30, 41, 52, 54, 80, 87, 108, 114, 118, 120, 122, 126, 134
10.8	LEARN	:	1–7, 9, 13, 19, 23, 29★, 33★, 34★, 39
	PRACTICE	:	17, 21, 25, 31★, 41
	TEST	:	8, 10, 11, 14, 20, 26, 30★, 37★, 38★, 42
	★ Use the process shown in the polar graphing handout discussed in lecture		

#### QUIZ 3 SECTIONS

10.9	LEARN	:	1–4, 15, 19, 23, 39, 41, 43, 45, 49, 53, 63
	PRACTICE	:	17, 21, 25, 47, 51, 52
	TEST	:	16, 22, 26, 40, 42, 44, 48, 50, 54
10.6	LEARN	:	1–5, 9, 11, 19, 23, 27, 31, 47, 49, 51, 52, 65, 78, 80, 82, 93, 97, 101, 105, 109
	PRACTICE	:	6, 13, 25, 33, 53, 55, 57, 59, 71, 95, 98
	TEST	:	15, 20, 24, 28, 34, 54, 58, 60, 66, 70, 94b, 96, 103, 104, 110

### MIDTERM 2 SECTIONS

#### QUIZ 4 SECTIONS

11.1	LEARN	:	1-9, 15, 21, 31, 37, 41, 49, 53, 57, 65, 71, 81, 83, 85
	PRACTICE	:	13, 19, 25, 35, 39, 43, 51, 59, 69, 73
	TEST	:	12, 16, 26, 30, 38, 42, 48, 60, 68, 72, 82, 86
11.2	LEARN	:	1-6, 9, 15, 23, 31, 35, 37, 41, 45, 53, 57, 61, 67-69
	PRACTICE	:	11, 17, 21, 33, 39, 43, 51, 55, 59
	TEST	:	12, 18, 24, 35, 36, 40, 44, 52, 54, 58, 62
11.3	LEARN	:	5, 17
	PRACTICE	:	9, 27
	TEST	:	10, 28

### QUIZ 5 SECTIONS

11.3	LEARN	:	29, 39, 45, 49, 53, 57, 61, 66, 67
	PRACTICE	:	31, 43, 47, 51, 55, 59
	TEST	:	32, 42, 46, 50, 56, 60, 62
11.4	LEARN	:	1-4, 7, 9, 13, 23, 29, 31, 35, 37, 45, 49, 61, 69
	PRACTICE	:	6, 17, 21, 27, 33, 39, 43, 51, 63
	TEST	:	8, 10, 14, 25, 30, 32, 36, 38, 44, 46, 52, 64

### MIDTERM 3 SECTIONS

#### QUIZ 6 SECTIONS

9.1	LEARN	:	1-6, 19, 23, 39, 47, 51, 53, 61, 63, 69, 73, 81, 83, 89, 93, 97, 99, 105
	PRACTICE	:	13, 25, 37, 41, 55, 59, 64, 71, 85, 87, 91, 95, 102
	TEST	:	12, 24, 42, 44, 50, 54, 60, 66, 72, 86, 88, 92, 96
9.2	LEARN	:	1-4, 7, 9, 13, 23, 27, 31, 35, 39, 47, 53, 57, 63, 77, 83, 87, 88
	PRACTICE	:	5, 11, 15, 25, 29, 33, 37, 41, 51, 55, 61, 79
	TEST	:	10, 12, 14, 16, 22, 28, 30, 32, 38, 40, 52, 56, 58, 64, 78, 84
9.3	LEARN	:	1-4, 6, 7, 19, 23, 31, 41, 43, 65, 69, 77, 81, 87, 89, 93, 95, 96
	PRACTICE	:	10, 11, 21, 27, 33, 39, 45, 67, 71, 79, 92
	TEST	:	8, 12, 20, 26, 32, 42, 44, 66, 72, 78, 82, 88, 90

#### QUIZ 7 SECTIONS

9.4	LEARN	:	11, 19, 23, 45, 49, 51, 53 + Lecture handout
	PRACTICE	:	13, 18, 24, 47, 54
	TEST	:	12, 14, 16, 20, 48, 52
9.5	LEARN	:	5, 11, 15, 21, 31, 35, 41, 47, 59, 63, 67, 75, 79, 89, 93, 94, 99, 101
	PRACTICE	:	9, 13, 17, 27, 29, 37, 43, 49, 54, 65, 69, 77, 81
	TEST	:	10, 12, 18, 24, 32, 38, 44, 48, 60, 66, 68, 78, 82

### POST-MIDTERM 3 SECTIONS

#### QUIZ 8 SECTIONS

7.5	LEARN	:	1-5, 7, 9, 13, 15, 35, 39, 41
	TEST	:	6, 8, 10, 14, 16, 36, 38, 42

### OPTIONAL SECTIONS (MAY APPEAR ON QUIZ 8 & FINAL EXAM – TO BE ANNOUNCED IN LECTURE)

#### **USE MATRICES WHENEVER POSSIBLE**

7.2	LEARN	:	1-4, 17, 21, 23, 31-34, 43, 51, 60, 61, 67, 69
	PRACTICE	:	19, 22, 42
	TEST	:	20, 24, 44, 52, 62, 70
7.3	LEARN	:	1-7, 11, 14, 25, 29, 37, 39, 47, 57, 59, 61, 75, 76
	PRACTICE	:	9, 13, 18, 27, 35, 41, 43, 53, 60, 65
	TEST	:	8, 12, 30, 31, 38, 44, 48, 52, 62
8.1	LEARN	:	1-8, 11, 19, 23, 29, 37, 43, 47, 57, 63, 81, 83, 95, 103, 105, 106
	PRACTICE	:	15, 21, 25, 31, 39, 45, 49, 59, 64, 79, 97
	TEST	:	16, 20, 26, 32, 38, 44, 48, 60, 80, 82, 98, 102
8.2	LEARN	:	1-5, 9, 19, 29, 35, 37, 47, 51, 53, 65, 67, 75-77, 80
	PRACTICE	:	7, 11, 21, 31, 39, 41, 49, 55, 69, 71
	TEST	:	8, 12, 22, 32, 36, 42, 50, 52, 56, 66, 68
8.4	LEARN	:	1-4, 17, 35, 39, 43, 47, 57, 69, 75
	PRACTICE	:	15, 37, 41, 45, 53, 59, 71, 77
	TEST	:	18, 36, 40, 44, 50, 58, 72, 76, 78