

MATH 118 Homework

Section P1 Exercises

For quizzes: 2-6, 10-20, 35-46, 51, 52, 57, 60-66

For exams: 85-95, 103, 107, 109, 111-120, 130, 131, 148-158

Section P2 Exercises

For quizzes: 1-86

For exams: 87-114, 136-145

Section P3 Exercises

For quizzes: 1-44, 55-108

For exams: 49, 52, 54, 111-114, 116, 134-136, 140

Section P4 Exercises

For quizzes: 1-90

For exams: 91-96

Section P5 Exercises

For quizzes: 1-64

For exams: 65-114, 129, 138-141

Section P6 Exercises

For quizzes: 7-24, 33-48, 59-64

For exams: 25-32, 49-58, 65-90

Section P7 Exercises

For quizzes: 1-90, 115-124

For exams: 91-114, 125-134, 139-142, 144, 163-170

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Section P8 Exercises

For quizzes and exams: 1-4, 7-9, 17-22, 25, 26, 32-38, 39-44

Section P9 Exercises

For quizzes: 15-44, 49-76, 99-106

For exams: 47, 48, 77-90, 107-111, 136-140

1.1 Exercises

For quizzes and exams: 1-12, 41-46, 57-60

1.2 Exercises

For quizzes: 1-20, 27-38, 55-92

For exams: 21-26, 97, 98, 103-106, 122-126

1.3 Exercises

For quizzes: 17-28, 37-59, 71, 72, and...

For the graphs in problems 1-14 and 29-36, be able to find answers to prompts **a** through **m**:

- a. domain of the graph
- b. range of the graph
- c. x -intercepts, if any
- d. y -intercepts, if any
- e. intervals on which the function is increasing, if any
- f. intervals on which the function is decreasing, if any
- g. intervals on which the function is constant, if any
- h. relative minimum values of the function
- i. relative maximum values of the function

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- j. the number(s) at which the function has a relative minimum
- k. the number(s) at which the function has a relative maximum
- l. $f(1)$ and $f(-1)$ (assume the function is called f)
- m. Is the function even, odd, or neither?

For exams: 60-70, 73-76

1.4 Exercises

For quizzes: 1-72

For exams: 79, 80, 84, 88, 89

1.5 Exercises

For exams: 5-18, 21-26, 32

1.6 Exercises

For quizzes: 1-10, 17-26

For exams: 45-66

1.7 Exercises

For quizzes: 1-30, 34-48, 52, 54, 57, 62, 68, 70

For exams: 50, 56, 60, 64, 67, 71, 74, 83-90, 96, 98, 116, 117

1.8 Exercises

For quizzes: 13-28, 29-48, 67

For exams: 2, 3, 6, 7, 65, 93-96

1.9 Exercises

For quizzes and exams: 1-70

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1.10 Exercises

For quizzes and exams: 2-4, 9, 12, 16, 18, 20, 22, 25, 27, 35, 40, 43, 46

2.1 Exercises

For quizzes and exams: 1-60, 78, 79, 81, 82, 83

2.2 Exercises

For quizzes: 9-44, 60, 62

For exams: 45-48, 65, 74, 94-96, 100

2.3 Exercises

For quizzes and exams: 1-14, 25-40, parts a-d of 41-64, 76

2.4 Exercises

For quizzes and exams: 1-46, 55, 74, 78

2.5 Exercises

For quizzes: 1-24, 34-38, 93-96

For exams: 25-32, 38-52

2.6 Exercises

For quizzes: 15-44, 57-88

For exams: 89-93, 101, 104, 105, 108, 134-136

2.7 Exercises

For quizzes: 1-9, 29-54, 61, 62, 99, 100

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For exams: 10-28, 55-60, 63-70

2.8 Exercises

For quizzes and exams: 1-20, 26, 32, 34

4.1 Exercises

For quizzes and exams: 13-28, 41-70, 87, 92

Calculator problem: 97

4.3 Exercises

For quizzes: 1-20

For exams: 49, 50

Calculator problems: 21-38, 53-55

4.2 Exercises

For quizzes and exams: 1-32, 39-46, 53-60, 84

Calculator problems: 81

4.4 Exercises

For quizzes and exams: 1-16, 23-92

4.5 Exercises

For quizzes and exams: 1-30, 35-66

4.6 Exercises

For final exam: 1-44

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4.7 Exercises

For quizzes: 1-18, 31-72

For exams: 85-92, 120, 121

Calculator problems: 19-30, 93

4.8 Exercises

For quizzes: 21-28, 37-40

Calculator problems: 1-16, 29-36, 41-46, 51-54

3.1 Exercises

For quizzes and exams: 11-18, 25-32, 35-46, 61-64, 88-90

Calculator problems: 54, 56, 65-73

3.2 Exercises

For quizzes and exams: 1-46, 53-100, 105-112, 139-144

Calculator problems: 113-118

3.3 Exercises

For quizzes and exams: 7-38, 41-63, 90-100

Calculator problems: 71-78

3.4 Exercises

For quizzes and exams: 1-102, 141-143

Calculator problems: 104-116

3.5 Exercises

Calculator problems: 7-18, 36, 43-48

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5.1 Exercises

For quizzes: 1-30

For exams: 31-60

5.2 Exercises

For quizzes: 1-8, 13-32

For exams: 9-12, 33-48, 99-102

5.3 Exercises

For quizzes: 1-22, 39-46, 107, 108

For exams: 23-38, 59-68, 79, 109, 110

5.5 Exercises

For quizzes: 1-46, 63-72, 97-99, 101, 102, 105-110

For exams: 47-62, 73-84

Calculator problems: 85-96, 111, 112, 114-116