Team Number: (replace this)

Notes: Remember that this sheet comes first in your solutions. You should submit solutions for the problems in increasing order. Write on one side of the page only. The start of a solution to a problem should start on a new page. Please mark which questions for which you submitted a solution to help us keep track of your solutions.

Problem Number	Points	Attempted?
1.3.1	10	
1.3.2	5	
1.3.3	5	
1.3.4	5	
1.3.5	10	
1.3.6	15	
1.3.7	5	
1.3.8	5	
1.3.9	10	
1.3.10	10	
1.3.11	10	
1.3.12	25	
1.3.13	20	
1.4.1	15	
1.4.2	15	
1.4.3	15	
1.4.4	5	
1.4.5	5	
1.4.6	15	
1.4.7	10	
1.4.8	25	
1.4.9	10	
2.1.1	5	
2.2.1	10	
2.2.2	15	
2.2.3	15	
2.2.4	10	
2.2.5	5	
2.3.1	20	
2.3.2	10	
2.3.3	25	
2.3.4	15	
2.3.5	10	

Problem Number	Points	Attempted?
2.3.6	15	
2.3.7	15	
2.3.8	5	
2.4.1	10	
2.4.2	20	
2.4.3	30	
2.4.4	5	
2.4.5	15	
2.4.6	10	
2.4.7	10	
2.5.1	5	
2.5.2	35	
2.5.3	25	
2.5.4	15	
2.5.5	25	
2.6.1	10	
2.6.2	20	
2.6.3	20	
2.6.4	30	
2.6.5	40	

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Proof. (write your solution here) □

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Proof. (write your solution here)   □

3   Problem 1.3.3

Proof. (write your solution here)   □

4   Problem 1.3.4

Proof. (write your solution here)   □

5 Problem 1.3.5

Proof. (write your solution here) □

6   Problem 1.3.6

Proof. (write your solution here)   □

7 Problem 1.3.7

Proof. (write your solution here)   □

8   Problem 1.3.8

Proof. (write your solution here)   □

9   Problem 1.3.9

Proof. (write your solution here)   □

10   Problem 1.3.10

Proof. (write your solution here)   □

11   Problem 1.3.11

Proof. (write your solution here) □

12   Problem 1.3.12

Proof. (write your solution here)   □

13   Problem 1.3.13

Proof. (write your solution here)   □

14   Problem 1.4.1

Proof. (write your solution here)   □

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Proof. (write your solution here)   □

16   Problem 1.4.3

Proof. (write your solution here)   □

17   Problem 1.4.4

Proof. (write your solution here)   □

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Proof. (write your solution here)   □

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Proof. (write your solution here) □

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Proof. (write your solution here)   □

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Proof. (write your solution here)   □

23   Problem 2.1.1

Proof. (write your solution here)   □

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Proof. (write your solution here)   □

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Proof. (write your solution here)   □

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Proof. (write your solution here)   □

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Proof. (write your solution here)   □

36   Problem 2.3.8

Proof. (write your solution here)   □

37   Problem 2.4.1

Proof. (write your solution here)   □

38   Problem 2.4.2

Proof. (write your solution here)   □

39 Problem 2.4.3

Proof. (write your solution here) □

40   Problem 2.4.4

Proof. (write your solution here) $\square$

41   Problem 2.4.5

Proof. (write your solution here)   □

42 Problem 2.4.6

Proof. (write your solution here) ☐

43   Problem 2.4.7

Proof. (write your solution here)   □

44   Problem 2.5.1

Proof. (write your solution here)   □

45   Problem 2.5.2

Proof. (write your solution here)   □

46   Problem 2.5.3

Proof. (write your solution here)   □

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Proof. (write your solution here)   □

49   Problem 2.6.1

Proof. (write your solution here)   □

50   Problem 2.6.2

Proof. (write your solution here)   □

51   Problem 2.6.3

Proof. (write your solution here)   □

52   Problem 2.6.4

Proof. (write your solution here)   □

53   Problem 2.6.5

Proof. (write your solution here) □