

Assignments

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Submission Login *scsmith2@gmail.com*

Submission Password *T6bdNmUTNP* [Generate New Password](#)

➤ **Week 0: The Function and the Field**

➤ **Week 1: The Vector**

✓ **Week 2: The Vector Space**

The Vector Space problems

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Due Date *Sun 8 Mar 2015 11:59 PM EDT*
If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline *Wed 11 Mar 2015 11:59 PM EDT*
If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback	
1 / 10	Problem 1: Vector Comprehension and Sum, Subproblem 1	-	- / 1	View	
2 / 10	Problem 1: Vector Comprehension and Sum, Subproblem 2	-	- / 1	View	

3 / 10	Problem 1: Vector Comprehension and Sum, Subproblem 3	-	- / 1	View
4 / 10	Problem 2: Vector Dictionary	-	- / 1	View
5 / 10	Problem 3: Constructing a Span over GF(2)	-	- / 1	View
6 / 10	Problem 4: Is it a vector space 1	-	- / 1	View
7 / 10	Problem 5: Is it a vector space 2	-	- / 1	View
8 / 10	Problem 6: Is it a vector space 3	-	- / 1	View
9 / 10	Problem 7: Is it a vector space 4, Subproblem 1	-	- / 1	View
10 / 10	Problem 7: Is it a vector space 4, Subproblem 2	-	- / 1	View
Total Score		0 / 10		

▼ Week 3: The Matrix

The Matrix problems

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Due Date

Sun 15 Mar 2015 11:59 PM EDT

If you submit after the due date (but before the hard deadline), your submission score will be penalized 20%.

Hard Deadline

Wed 18 Mar 2015 11:59 PM EDT

If you submit any time after the hard deadline, you will not receive credit.

Part	Name	Last Submission	Score	Feedback
1 / 62	Computing matrix-vector products, Subproblem 1	-	- / 1	View
2 / 62	Computing matrix-vector products, Subproblem 2	-	- / 1	View
3 / 62	Computing matrix-vector products, Subproblem 3	-	- / 1	View
4 / 62	Matrix-vector multiplication to swap entries	-	- / 1	View
5 / 62	$[z+x, y, x]$ Matrix-vector multiplication	-	- / 1	View
6 / 62	$[2x, 4y, 3z]$ matrix-vector multiplication	-	- / 1	View
7 / 62	Matrix multiplication: dimension of matrices, Subproblem 1	-	- / 1	View
8 / 62	Matrix multiplication: dimension of matrices, Subproblem 2	-	- / 1	View
9 / 62	Matrix multiplication: dimension of matrices, Subproblem 3	-	- / 1	View
10 / 62	Matrix multiplication: dimension of matrices, Subproblem 4	-	- / 1	View
11 / 62	Matrix multiplication: dimension of matrices, Subproblem 5	-	- / 1	View
12 / 62	Matrix multiplication: dimension of matrices, Subproblem 6	-	- / 1	View
13 / 62	Matrix multiplication: dimension of matrices, Subproblem 7	-	- / 1	View
14 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 1	-	- / 1	View
15 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 2	-	- / 1	View

16 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 3	-	- / 1	View
17 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 4	-	- / 1	View
18 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 5	-	- / 1	View
19 / 62	Matrix-matrix multiplication practice with small matrices, Subproblem 6	-	- / 1	View
20 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 1	-	- / 1	View
21 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 2	-	- / 1	View
22 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 3	-	- / 1	View
23 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 4	-	- / 1	View
24 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 5	-	- / 1	View
25 / 62	Matrix-matrix multiplication practice with a permutation matrix, Subproblem 6	-	- / 1	View
26 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 1	-	- / 1	View
27 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 2	-	- / 1	View
28 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 3	-	- / 1	View

29 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 4	-	- / 1	View
30 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 5	-	- / 1	View
31 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 6	-	- / 1	View
32 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 7	-	- / 1	View
33 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 8	-	- / 1	View
34 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 9	-	- / 1	View
35 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 10	-	- / 1	View
36 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 11	-	- / 1	View
37 / 62	Matrix-matrix multiplication practice with very sparse matrices, Subproblem 12	-	- / 1	View
38 / 62	Column-vector and row-vector matrix multiplication, Subproblem 1	-	- / 1	View
39 / 62	Column-vector and row-vector matrix multiplication, Subproblem 2	-	- / 1	View
40 / 62	Column-vector and row-vector matrix multiplication, Subproblem 3	-	- / 1	View
41 / 62	Column-vector and row-vector matrix multiplication, Subproblem 4	-	- / 1	View
42 / 62	Column-vector and row-vector matrix multiplication, Subproblem	-	- / 1	

	5			View	
43 / 62	<i>Linear-combinations matrix-vector multiply</i>	-	- / 1	View	
44 / 62	<i>Linear-combinations vector-matrix multiply</i>	-	- / 1	View	
45 / 62	<i>dot-product matrix-vector multiply</i>	-	- / 1	View	
46 / 62	<i>Dot-product vector-matrix multiply</i>	-	- / 1	View	
47 / 62	<i>Matrix-vector matrix-matrix multiply</i>	-	- / 1	View	
48 / 62	<i>Vector-matrix matrix-matrix multiply</i>	-	- / 1	View	
49 / 62	<i>Buttons, Subproblem 1</i>	-	- / 1	View	
50 / 62	<i>Buttons, Subproblem 2</i>	-	- / 1	View	
51 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 1</i>	-	- / 1	View	
52 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 2</i>	-	- / 1	View	
53 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 3</i>	-	- / 1	View	
54 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 4</i>	-	- / 1	View	
55 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 5</i>	-	- / 1	View	
56 / 62	<i>Solving 2x2 linear systems and finding matrix inverse, Subproblem 6</i>	-	- / 1	View	

57 / 62	Solving 2x2 linear systems and finding matrix inverse, Subproblem 7	-	- / 1	View
58 / 62	Solving 2x2 linear systems and finding matrix inverse, Subproblem 8	-	- / 1	View
59 / 62	Matrix inverse criterion, Subproblem 1	-	- / 1	View
60 / 62	Matrix inverse criterion, Subproblem 2	-	- / 1	View
61 / 62	Matrix inverse criterion, Subproblem 3	-	- / 1	View
62 / 62	Matrix inverse criterion, Subproblem 4	-	- / 1	View
Total Score		0 / 62		

Matrix Class Homework

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Part	Name	Last Submission	Score	Feedback
1 / 9	Get Item	-	- / 1	View
2 / 9	Set Item	-	- / 1	

				View	
3 / 9	Addition	-	- / 1	View	
4 / 9	Scalar Multiplication	-	- / 1	View	
5 / 9	Equality	-	- / 1	View	
6 / 9	Transposition	-	- / 1	View	
7 / 9	Vector-Matrix Multiplication	-	- / 1	View	
8 / 9	Matrix-Vector Multiplication	-	- / 1	View	
9 / 9	Matrix-Matrix Multiplication	-	- / 1	View	
Total Score		0 / 9			

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Part	Name	Last Submission	Score	Feedback	
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1 / 10	Matrix G	-	- / 1	View	
2 / 10	Encode 1001	-	- / 1	View	
3 / 10	Matrix R	-	- / 1	View	
4 / 10	Matrix H	-	- / 1	View	
5 / 10	Find Error	-	- / 1	View	
6 / 10	Decode 1011011	-	- / 1	View	
7 / 10	Find Error Matrix	-	- / 1	View	
8 / 10	Matrix P	-	- / 1	View	
9 / 10	Number of Bits Encoded	-	- / 1	View	
10 / 10	Correct	-	- / 1	View	
Total Score		0 / 10			