



Assignments

The problem sets make up 15% of the course grade. Problems are assigned from the required text: Strang, Gilbert. *Introduction to Linear Algebra*. 4th ed. [Wellesley-Cambridge Press](#), 2009. ISBN: 9780980232714.

ASSN #	ASSIGNMENTS	SOLUTIONS
Problem set 1	Do problems:	
	23 and 28 from section 1.2	
	4 and 13 from section 1.3	
	29 and 30 from section 2.1	
	20 and 32 from section 2.2	(PDF)
	22 and 29 from section 2.3	
	32 and 36 from section 2.4	
Problem set 2	7 from section 2.5	
	Do problems:	
	24 and 40 from section 2.5	
	13, 18, 25, and 26 from section 2.6	(PDF)
	13, 36, and 40 from section 2.7	
Problem set 3	18, 23, 30, and 32 from section 3.1	
	Do problems:	
	18, 24, 36, and 37 from section 3.2	
	19, 25, 27, and 28 from section 3.3. Problem 17 is optional but recommended	(PDF)
Problem set 4	13, 25, 28, 35 (MATLAB recommended) and 36 from section 3.4	
	Do problems:	
	2, 20, 37, 41, and 44 from section 3.5	(PDF)
Problem set 5	11, 24, 28 (with challenge subpart), 30, and 31 from section 3.6	
	7, 9, 31 (verify this with MATLAB on a 6 by 12 matrix), 32, and 33 from section 4.1	
	13, 16, 17, 30, 31, and 34 from section 4.2	(PDF)
	13 (MATLAB allowed) and 17 from section 8.2	
Problem set 6	Do problems:	
	4, 7, 9, 26 and 29 from section 4.3	
	10, 18, 35, and 36 from section 4.4	(PDF)
	10, 18, 31, and 32 from section 5.1 (the last two will be treated as challenge problems)	

ASSN #	ASSIGNMENTS	SOLUTIONS
Problem set 7	Do problems:	(PDF)
	16, 32, and 33 from section 5.2	
	8, 28, 40, and 41 from section 5.3	
	19 and 29 from section 6.1	
	6, 16, and 37 from section 6.2	
Problem set 8	Challenge problem in MATLAB	(PDF)
	Do problems:	
	14, 24, 28, 29, and 30 from section 6.3	
	7, 10, 23, 28, and 30 from section 6.4	
	9, 12, and 16 (counts as a challenge problem, MATLAB allowed) from section 8.3	
Problem set 9	Do problems:	(PDF)
	25, 26, 27, 29, 32, 33, 34, and 35 from section 6.5	
	3, 5, 7, 10, and 11 from section 8.1 (last two count as challenge problems)	
Problem set 10	Do problems:	(PDF)
	12, 14, 20, 22, 23, and 24 from section 6.6.	
	4, 11, and 17 from section 6.7.	
	4, 5, 12, and 13 from section 8.5 (last two count as challenge problems)	



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