

Unit 4 - Week 3 : Unit 3

Course outline	Week 3 : Assignment
How to access the portal	The due date for submitting this assignment has passed.As per our records you have not submitted thisassignment.
Week 1 : Unit 1	1) 0 points
Week 2 : Unit 2	The percentage of discretization error for solving $\frac{d^2T}{dx^2} = 0$ by using finite central difference
Week 3 : Unit 3	scheme with $\Delta x = \frac{1}{100}$ is
C Lecture 11 : Tridiagonal Matrix Algorithm	 a) 1% b) 0.01%
 Lecture 12 : Equations with Singular Matrices 	c) Can't be estimatedd) No error
Lecture 13 : Introduction to Vector Space	No, the answer is incorrect. Score: 0 Accepted Answers:
Lecture 14 : Vector Subspace	b) 0.01%2) Which one is not true for TDMA algorithm1 point
Column Space and Nullspace of a Matrix	 a) It uses recursive relation b) The number of operations are usually less than Gauss elimination c) TDMA can be used as line asker in an ADI
Lecture Materials	 d) TDMA is applicable for symmetric matrices only
Quiz : Week 3 : Assignment	No, the answer is incorrect. Score: 0
Feedback for Week 3	Accepted Answers: d) TDMA is applicable for symmetric matrices only
Week 4 : unit 4	3) A pentadiagonal matrix cannot be solved by using 1 point



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$c)R^3$	
\bigcirc $d)R^{\infty}$	
No, the answer is incorrect. Score: 0	
Accepted Answers: $c)R^3$	
8) The function f(x)=sin x belongs to	1 poi
$a)R^1$ $b)R^0$	
$c)R^\infty$	
(d) Not a vector space	
No, the answer is incorrect. Score: 0	
Accepted Answers: $c)R^{\infty}$	
9) Ax=b has no solution if	1 poi
a) lies in null space of A	
b) lies in row space of A	
c) lies in column space of A	
d) does not lie in column space of A	
No, the answer is incorrect. Score: 0	
Accepted Answers: d) does not lie in column space of A	
10)f det(A)=0 then	1 po
a) $N(A) = 0$	
b) $N(A) \neq 0$	
$(I) N(A) \in C(A^T)$	
d) $N(A) \in C(A^T)$	
No, the answer is incorrect. Score: 0	
Accepted Answers: b) $N(A) \neq 0$	
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