

Math 511

■ Welcome to Math 511 Restart!

1st Praying you are safe and well.

Changes (Evaluation)
↳ online? Q: Honesty!

① Homework (only #8, #9, #10 left) 20% of grade

1 to 6
did it?
100%

#7
not due

30%
8, 9, 10

② "Attendance" Quiz → ① watch video ② Q about video (keep you involved)
8% of grade

③ Exams: (includes final) 18% each to grade

Exam 2 8 probs

2 probs @ D level

2 probs @ C level

2 probs @ B level

2 probs @ A level

Honesty?

Do the work?!
↳ check on our talk with me about the exam.

- lose points
+ gain points

Exam 2

8 probs

3.1 Vector Spaces (1 problem)

is it a vector space?

given set of objects, αv means?
 $v_1 + v_2$ means?

You check all 10 axioms.

3.2 Subspaces (1 problem)

given $S \subseteq V$ a vector space.

Q: is S a subspace?

check

① $0 \in S$

② αv closed

③ $v_1 + v_2$ closed

for $v \in S$

3.3 Linear Independence (1 problem)

are the given $\{v_k\}$ linearly indep?

3.4 Basis / Dimension (1 problem)

given (you give) $\{v_k\}$ in $\dim(V) = n$

use to make a basis

I give this

3.5

(1 prob)

Change of Basis

be able to handle P_n, \mathbb{R}^n

3.6

Row Space (Col. Spaces)

(1 prob)

given $A \rightarrow$ find u in red. row ech.

$N(A)$?

row space of A ?

col space of A ?

rank (A)

nullity (A)

4.1

(1 prob)

given a mapping from U to V is it a linear transformation?

4.2

matrix rep. of

$L: U \rightarrow U$

(1 prob)

4.3

0 prob.