MTH 302: Linear Algebra and Differential Equations

Review + Span + Homogeneous Systems

Thursday 2023-01-19

AGENDA

- Housekeeping
- Q&A from Class Prep
- Review activities
- Break
- Activity about span and homogeneous systems
- Skill Quiz 1 (Foundational Skill LA.1)

Learning objectives for today

- Determine whether a given vector is in the span of a collection of other vectors
- Find solutions to homogeneous systems and phrase them as the span of a set of vectors

Housekeeping

- Reminder: Tutorials on RREF and row reduction on Blackboard
- Make sure to read course announcements daily
- Next week: No class meetings but asynchronous module over two theorems about linear systems
- Look at the calendar for all due dates

Q&A from Class Prep

Activity: Reviewing linear systems and their solutions + linear combinations

- Find it on the Resource Page
- In groups, work on "Part 1"
- Will stop in 30 minutes to debrief.

Activity: Span and homogeneous systems

- In groups, work on "Part 2"
- Will stop in 30 minutes to debrief

Skill Quiz 1

- Find it on Blackboard > Skill Quizzes at the top
- Put work on paper or in a notes app
- Scan or save to PDF and then upload to *Blackboard > Skill Quizzes > Submit skill quiz work here > Skill LA.1*
- Make sure to hit "Submit"
- Submit work before 11:59pm ET today
- Calculators are OK; don't use any other tech except to check answers