

## MAT223 READING AND REFLECTION 2

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### Reading Assignment.

The following reading assignment will help prepare you for Reading Quiz 2 and Webwork 2, which are both due on Quercus no later than **Monday, January 20th, by 11:59pm**.

Unless otherwise indicated, the reading below is from the [course lecture notes](#).

Section	Pages	Learning Objectives
Section 2.3	pp. 24-27	Examples of checking for linear dependence
Section 2.4	pp. 27-30	The matrix-vector product Four equivalent representations for systems of equations

**Optional:** Watch [this short video](#) on Linear Combinations and Spans from 3Blue1Brown. These videos are **highly recommended** to help you build key geometric intuition in this course!

### Reflection Assignment.

In this course, we'll be using "active learning" techniques, which are strongly backed by education research to be more effective than passive techniques for student learning ([for example](#)). Like most things worth doing in life, you'll see that **active learning is difficult** – developing your own understanding of material (which will often involve figuring things out on your own) is a much more challenging task than following a procedure that's been given to you.

We'd like for you to spend some time this week reflecting on whether this high-demand task fits into your university goals. On your Reflection 2 Survey, which is due on Quercus no later than **Monday, January 20th, by 11:59pm**, you will be asked to respond to the following prompts:

1. What are the goals of a university education?
2. How does a person learn something new?
3. What do you reasonably expect to remember from your courses in 20 years?
4. What is the value of making mistakes in the learning process?
5. What do you expect of yourself, your peers, and the teaching team in an active learning environment?

Note that we will post AI generated summaries of your responses to Quercus after the survey due date to view common course themes.