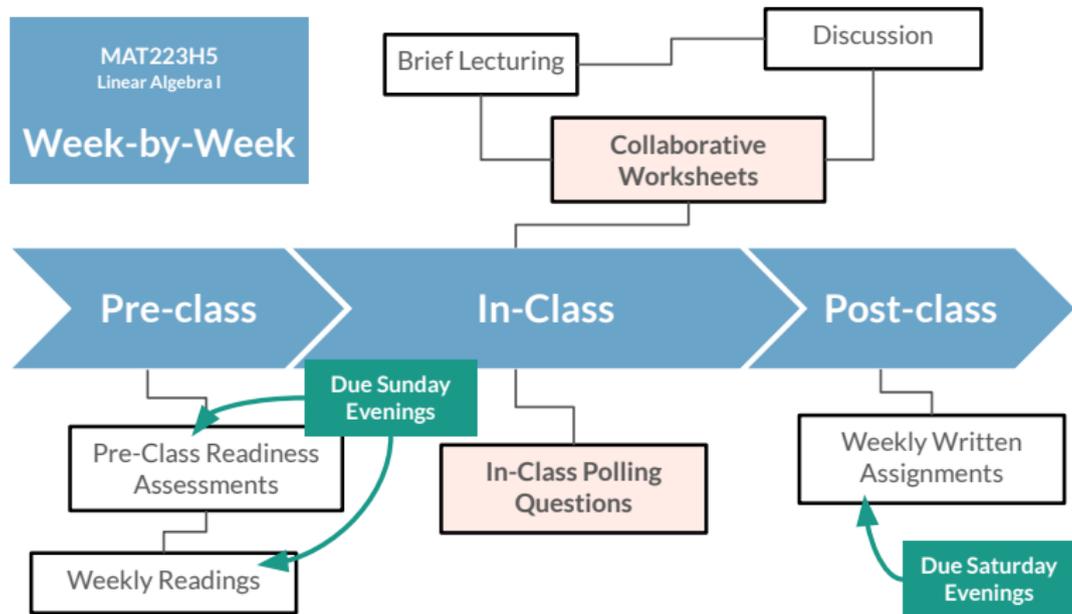


# **MAT223 - Day 1 In-Class Activities!**

The UTM MAT223 Team

Fall 2020

# MAT 223 Weekly Cycle



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7. Learning new things requires a lot of practice. Mathematics is no different: you need to do mathematics to learn it.

# Activity 1: Paper and Pens

You will need:

- ▶ Your neighbours,
- ▶ Three sheets of paper, and two pens.

Thinking of **pens**  $\approx$  **lines** and **paper**  $\approx$  **planes**, arrange them to find:

1. Two planes which intersect in a line.

*Take a photo or draw a picture of some of your answers - we'll be referring to them in class next week!*

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5. Two lines so that no plane contains both.

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6. Three planes, with two of them parallel (and non-equal), and with the third plane intersecting both of the first two planes.

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6. Three planes, with two of them parallel (and non-equal), and with the third plane intersecting both of the first two planes.
7. Three planes, so that each pair intersects, but with the three planes sharing no common points of intersection.

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## Activity 2: How to Engage With the Readings

In this activity, we will walk through part of your reading for next week, showing you how to read mathematics successfully. This is followed by a summary of some tips to help with this task.

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7. Make use of the discussion board to post questions about the readings and the "Active Reading Tasks."