

## Assignment 5 – Preparation for Quiz 5 on **Oct. 31 and Nov. 1**

**Material:** Sections 3.2 (linear mappings and composition of linear mappings), 3.3 and 3.5 (for linear operators)

- 1- Practice Problems #5 (very short) in MapleTA on sections 3.2, 3.3 and 3.5
- 2- Do # A6, A7 in Section 3.2 (textbook)
- 3- Do #A1, A2, A3(a), A4, A5, D1 in Section 3.3 (textbook)
- 4- Do #A1 (let the matrix be the standard matrix of a linear operator and then determine if it has an inverse by using the Inverse Matrix Algorithm), A4, A5 in Section 3.5 (textbook)

Note: Common values of trigonometric functions will always be included in quizzes/exam if/when needed. Check the file “common values of trigonometric functions” posted in the modules “Course information” and “Assignment-quiz Information” on LEARN.

Make sure that you always use an Elementary Row Operation (ERO) and that you indicate which ERO is used. This will be mandatory in Quizzes/Midterm/Exam. Combinations of EROs is not an ERO (see **Warning!** on page 67) and thus marks will be deducted.

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Access to MapleTA can be found on the left side of the homepage of the course website on LEARN. For any technical help using MapleTA, please contact MapleTA Support (click on the link which can be found on the left side of the homepage of the course website on LEARN under Faculty Links OR email [mapleta@uwaterloo.ca](mailto:mapleta@uwaterloo.ca) )

**Reminder:** the assignments do not need to be submitted, there are no marks attached to them. You have unlimited number of attempts on MapleTA and you will have access to assignments until the end of term (they are good review for midterm and final exam). It is strongly advised to do the MapleTA practice problems without help from textbook, calculator, etc when reviewing material any examination (quiz/midterm/exam): however, you may use MapleTA as a study tool by completing a question, clicking on “How did I do?” on the left side of your screen, check the solution, and then try again that same question without any help to make sure you did understand how to do that question.