Assignment 2 – Preparation for Quiz 3 of Oct. 3/4

Material: Sections 2.1 (needed for completing problems in 2.2), 2.2 and **3.1**

1. Practice Problems #2 in MapleTA on section 2.1(that is solving system using REF)
2. Practice Problems #3 in MapleTA on sections **2.2 and 3.1**
3. Do # A3 (c, e, f), A4 (d, e), A5 (f, g) in Section 2.1 (textbook)
4. Do # A3 (c, d), A4 (f, g), A5 (**c,** d) in Section 2.2 (textbook)

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.

Note the systems of equations in MapleTA have been solved using the Reduced Row Echelon From (RREF) of the augmented matrices: this is method is introduced in section 2.2 on page 84. The same solution will be obtained using the Row Echelon Form (REF) and back substitution (i.e. using method of section 2.1): you will obtain the same result given by MapleTA but the intermediary steps will not be the same.

Note that if matrices are asked to be in RREF, then you must further reduce the REF of the matrix. Marks will be deducted otherwise.

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)

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.