Assignment 8 – Preparation for Quiz 8 on Nov. 21 and Nov. 22

Material: Sections 6.1 and 6.2

-indicate with an arrow (or sentence) which row or column is used to expand the determinant.

-indicate which EROs (Elementary Row Operation) or ECOs (Elementary Column Operation) are used to compute the determinant

THIS WILL BE ASKED IN QUIZZES AND IN THE FINAL EXAM

Note: if asked to evaluate a determinant and it is not indicated whether only cofactor expansion is to be used, then compute the determinant in any way you like

1- Practice Problems #8 in MapleTA on sections 6.1 and 6.2
2- Do #A2 (b, e), #A3 (c, e) in Section 6.1 (note: "basis of eigenspace" = set of eigenvectors corresponding to eigenvalues)
3- Do #A2 (a, c, d, e, g), #A3 (d, e), in Section 6.2

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.

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.