Dawson College: Linear Algebra (COMPUTER SCIENCE): 201-NYC-05-S9: Fall 2022: Quiz 7

name: _

Books, watches, notes or cell phones are not allowed. The only calculators allowed are the Sharp EL-531**. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work.

Question 1. (5 marks) Only using cofactor expansions evaluate

3	0	4	-6
2	7	-1	1
-4	1	-6	8
-2	0	4	4

Question 2. (5 marks) Evaluate $\begin{vmatrix} a-5g & -a+2d & -3g \\ b-5h & -b+2e & -3h \\ c-5i & -c+2f & -3i \end{vmatrix}$, if we know $\begin{vmatrix} a & b & c \\ d & e & f \\ g & h & i \end{vmatrix} = -4$