

### 2020W A33 Quiz 3 T22 Rubric

[Q1a - Matrix A]

4 marks - shows multiple solutions

[Q1b - Matrix B]

4 marks - shows inverse via row reduction

(-0.5 marks) - for every arithmetic mistake

[Q2]

(-1 marks) - incorrect use of determinant properties

(-0.5 marks) - for each arithmetic mistake

[Q3]

2 marks - shows cramer's rule formula to find  $X_1, X_2, \dots, X_n$ .

Note: some of you just showed up to  $X_1, X_2$  and did not include  $X_n$ .

If you do not include  $\dots X_n$  on the final, you will not get full marks

[Q4]

1.5 marks - finds restrictions on  $t$  that gives unique solution

4.5 marks - finds  $x, y$  with cramer's rule

(-0.5 marks) - for each arithmetic mistake

[Q5]

2 marks - find  $A = I$

1 mark - sub  $A = I$  into  $(I - cI)$

1 mark - apply inverse on  $(I - cI)$

1 mark - correct result of inverse on  $(I - cI)$