

2020W A33 Quiz 3 T10 Rubric

[Q1]

3 marks - found determinant of A

3 marks - found determinant of A, with the 1st column representing x replaced by b

2 marks - used cramer's rule

(-0.5 mark) every arithmetic error

[Q2a,b]

(-1 mark) every wrong use of determinant property

(-0.5 mark) every arithmetic error

[Q3]

2 marks - somewhat reasonable attempt

3 marks - $AA^{-1} = I$ form

1 mark - isolating the identity matrix by getting rid of the scalar '2'

(-0.5 marks) - for each arithmetic mistake

[Q4]

10 marks - finding correct values of X1, X2, X3

2 marks - shows the matrix B as a scalar multiple of the columns of A

(-0.5 marks) - for each arithmetic mistake