Name:	
Student ID:	

Quiz 7

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. (5 marks) §2.3 #31 Use Cramer's rule to solve for y without solving for the unknowns x, z, and w.

Question 2. (5 marks) §3.1 #30 Show that there do not exists scalars c_1, c_2 , and c_3 such that

$$c_1(1,0,1,0) + c_2(1,0,-2,1) + c_3(2,0,1,2) = (1,-2,2,3)$$