	Dawson College:	: Linear Algebra	(SCIENCE)	: 201-NYC	-05-S5: Fall 20	014
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Name:	
<b>Student ID:</b>	

## Quiz 9

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) §3.3 #29 Using projections, find the distance between the point and the line.

$$(-3,1)$$
;  $4x + 3y + 4 = 0$ 

**Question 2.** (5 marks) §3.3 #37 Using projections, find the distance between the given parallel planes.

$$2x - y - z = 5$$
 and  $-4x + 2y + 2z = 12$ 

