Dawson	College:	Calculus	T٠	201-N	JYA.	-05-	S6	Winter	2009
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Quiz 1

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. pg.653#42 (4 marks) Evaluate the following limit.

$$\lim_{x \to \infty} \frac{1 - 2x^2}{(4x+3)^2}$$

Question 2. pg.657#9 (6 marks) Calculate the slope of the tangent line of the function $y = 2x^2 + 5x$ at the point (-2, -2). Bonus. (1 mark) write the equation of the tangent line