Dawson	College:	Calculus	Ш:	201	-BZF-05	S01

	October 6, 2011			
Last Name:				
First Name:				
Student ID:				

Quiz 5

Question 1. (4 marks) Find the limit:

$$\lim_{x\to\infty}\left\langle \frac{1+t^2}{1-t^2}, \tan^{-1}t, \frac{1-e^{-2t}}{t}\right\rangle$$

Question 2. (6 marks) Draw the projections of $\vec{\mathbf{r}}(t) = \langle t, \sin t, 2\cos t \rangle$ on the three coordinate planes and use these projections to help sketch this curve.