Dawson College:	Calculus I:	201-NYA-05 08	3
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	April 15, 2011
Last Name:	
First Name:	
Student ID:	

Quiz 9

Question 1. (6 marks) Find the domain, intercepts and any vertical and horizontal asymptotes of the function (state which is which):

$$f(x) = \frac{x^2 - 2}{2x^2 - 8}$$

Make sure you show your work.

Question 2. (4 marks) A stone is thrown from the roof of an 80ft building and lands five seconds later. The height (in feet) of the stone at any time t (in seconds), measured from the ground, is given by $h(t) = -16t^2 + 64t + 80$. what is the maximum height the stone reaches? (Justify your answer).