Math 261 Rectilinear Mot			Name:		
Due: 12/04/200	7				
1. (5 points)					
	trials have shown th	at a DeLorian can acce	elerate from 0 to 6	0 miles per hour in	4 seconds.
(a) Assur	ming that the DeLorian in $\frac{ft}{s}$ as a	an undergoes constant a function of time, in se	acceleration, find a econds.	function $v(t)$ that	gives the velocity
		rian parked at the Twin DeLorian up to exactl		ccelerates toward 9	0 mph, how long

(c) If there is a photomat exactly 380 feet in front of his starting location and he drives straight toward it,

will he get to 88 mph before running into the photomat? Justify your answer.