Math 4B	Summer	2020
Quiz #1		

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No	ca	lc11	lato	ors

		PERM NUMBER	
PRINT NAME			
	TA: Trevor	Time:	

5:30

7:30

Nick

- 1. What's the password? [Ask your TA]
- 2. In your own words, what does it mean for a differential equation to be linear? [You must write your own original thoughts in sentence form, do not copy from the textbook or your notes.]

3. Suppose you have a linear ordinary differential equation of order 2 given by

$$a(t)y'' + b(t)y' + d(t)y = 0$$

and you also have two functions y_1 and y_2 that are solutions to the differential equation. Show that $C_1y_1 + C_2y_2$ is also a solution. (C_1 and C_2 are constants.)