Math 61 Quiz Week 6 B 10 minutes. Use pen only

Your Name: Michael Xiony			UCLA J	D:	404	465570
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SECTION: Cross one box below	Tuesday	1A	1C	(E	\mathcal{I}	
	Thursday	1B	1D	1F		

Problem 1. Circle all the options that apply The recurrence $a_n = 2a_{n-1} + 3$ with initial conditions $a_1 = 7$ is

Problem 2. Circle all the options that apply The recurrence $a_n = 2a_{n-1} + 3a_{n-2}$ with initial conditions $a_0 = 5, a_1 = 7$ is

Problem 3. The solution to the recurrence $a_n = 2a_{n-1} + 3$ with initial conditions: $a_1 = 7$ is of the form $a_n = a \cdot r^{n-1} + b$ where $a = 2a_{n-1} + 3$, $b = 3(2^{n-1} - 1)$, and r = 2.

 $a_{1} = 7$ $a_{2} = 17$