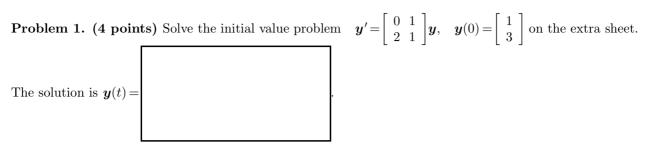
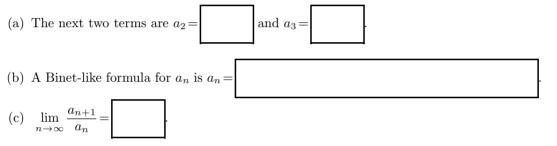
Assessment Quiz #2

Please print your name:



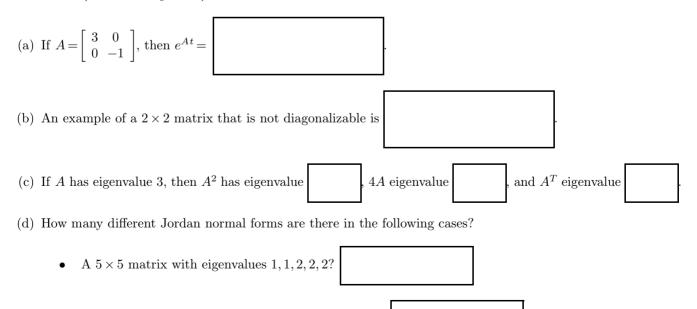
Make sure to check your answer by plugging into the differential equation! There will be no partial credit and you have plenty of time.

Problem 2. (1+3+1 points) Consider the sequence a_n defined by $a_{n+2} = 2a_{n+1} + 3a_n$ and $a_0 = 1$, $a_1 = 7$.



Again, work on the extra sheet and be sure to check your answer to (b) by comparing with the values in (a).

Problem 3. (1+1+2+2 points) Fill in the blanks.



• A 9×9 matrix with eigenvalues 1, 1, 2, 2, 2, 4, 4, 4, 4?