

# Math 2013 - Introduction to Discrete Mathematics

Quiz #15 - 2005.12.05

Name: \_\_\_\_\_

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Consider the recursive relation  $a_n = -4a_{n-1} + 21a_{n-2}$ ,  $n \geq 0$ .

1. Find a formula for the general solution.

2. Find the solution if  $a_0 = 5$  and  $a_1 = -15$ .

3. If someone asks you 'What floats on water?', how might you respond?