

Math 184
Homework for Section 1.4 – 1.5*
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Note: Homework will not be collected, but the question for Quiz 2 might be picked from the homework questions.

- Section 1 of the textbook (page 38): Question 7, 9, 11, 12, 14, 17, 19, 31, 34.
- Challenging question: Consider the Fibonacci sequence, i.e.

$$a_0 = 0; \quad a_1 = 1; \quad a_n = a_{n-1} + a_{n-2} \quad \text{for } n \geq 2.$$

Show that there exists $i > 1$ such that a_i is divisible by 41.

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