

Assignment 14
For Friday, October 17



Reading

Read Chapter 13 "Regina vs Turing," Chapter 14 "Breaking The Enigma of Death" and Chapter 15 "Turing's Legacy" in *Simply Turing*

Writing

Continue to work on Essay 2.

Problem

Prove that the square root of 3 is not rational. [Hint: Follow the outline of the proof that the square root of 2 is not rational. At a critical point, use the fact that if an integer is not a multiple of 3, then it must have the form $3K + 1$ or $3K + 2$ for some integer K .]