

## 1 Reading

In *A T<sub>E</sub>Xas Style Introduction to Proofs*, read the rest of the section 2.2 and *The Paradox Paradox* by Buzz Mauro (available at <https://www.press53.com/issue-3-prime-decimals>).

## 2 Response

Answers to these should be written down and turned in in class.

1. The definition of the separable and uniquely separable numbers is perhaps our first example of a totally unfamiliar definition. Can you find any examples of either of these properties? Any counterexamples?

## 3 Exercises

You should bring solutions to these to class and be prepared to present them.

1. Question 2.22
2. Exercise 2.29
3. Question 2.31

## 4 Homework Problems

Due Thursday, February 13th

1. Challenge 2.26
2. Statement 2.32
3. Statement 2.33
4. Statement 2.34
5. Question 2.39