

## Math 329: Number Theory

### Questionnaire

#### Pi hiding in prime regularities

1. What's a Gaussian prime?
2. What is  $\chi$ ?

#### Aaron Numbers

3. At some point Carl Pomerance says "you know that's perverse, but let's do it." What is he referring to?
4. What is a Ruth-Aaron pair?

#### Why I fell in love with monster primes?

5. Who is the master of us all?
6. What is the current largest known prime (at the time of the video)?

#### The legend of question 6

7. Who holds the record as the youngest person to win a gold medal at the international mathematical olympiad?
8. What was question 6 in the 1988 IMO?

#### Fermat's Last Theorem

9. Name three mathematicians interviewed besides Andrew Wiles.
10. What was the metaphor Andrew Wiles gives at the beginning of the movie about mathematical research?