

# MATH 153

## Today

1. WeBWorK/Questions
2. Review for Final

### Goals:

1. Review for final (Understand how to model periodic phenomena with Fourier series)

## Review

1. Sequences
2. Series
  - (a) Convergence tests
  - (b) Taylor and MacLaurin series
    - i. Radius and interval of convergence
    - ii. Finding coefficients
    - iii. Adapting known series
  - (c) Remainder Theorem (error estimation)
3. Fourier series
  - (a) Finding coefficients
  - (b) Energy
  - (c) Orthogonality of sine and cosine

## Next Time

1. Final exam!