MA 122: Mathematical Engagement

As part of your grade, you are required to complete two mathematical engagement exercises. A mathematical engagement exercise is one of the following: **a:** Attend a mathematics colloquium and write 1 or 2 paragraphs of summary and response. **b:** Read one of the following (collections of) articles and write 1 or 2 paragraphs of summary and response:

(1) Both of:
  (i) Chapter 3.5 "Unexpected Appearances" from *Real Infinite Series* by Bonar and Khoury. This reading presents two whimsical applications of the fact that the harmonic series diverges.
  (ii) Appendix B (pg 243) "What's Harmonic about the Harmonic Series" from *Real Infinite Series* by Bonar and Khoury (reprinted from the *College Mathematics Journal*.
(2) The Liouville chapter of *The Calculus Gallery* by Dunham (pg 116-127).
(3) Section 10.5 of the single variable calculus text.

The first two selections are on reserve in the Olin science library.