Before Class:

- Tape, Paper, Evaluation Slips
- Journal Up

1. Recurrence Examples
   - Students - Work on these
   - Recurrence Trees
   - Substitution Method

2. Quicksort Basics
   - Students - Up w/ Dates
   - Divide-and-conquer, just like Mergesort
   - Quicksort’s combine is trivial
   - Demonstration of how it works

3. Quicksort Details
   - Constant factor splits yield $\Theta(n \lg n)$
   - Show recurrence relation
   - Average case
   - Randomize - get Expected case

Next Class:

- Heapsort: a sort with other advantages
- Evaluations!