

**Required reading:**

- Larson 9e: pages 554-555, 557-560
- Dawkins: Calculus II, section 1-4: Partial Fractions  
<http://tutorial.math.lamar.edu/Classes/CalcII/PartialFractions.aspx>
  - Notes: Read all except Examples 1, 2, and 6. (Last modified: 05/30/2018)
  - Practice Problems: Review Problems 5-8 and 10. (Last modified: 03/08/2018)

**Required homework:**

- Larson 9e: page 561, problems 19, 20, 24, 25, 27, 28, 30, 31

**Additional comments regarding this topic:**

Partial fractions is nothing new; we saw this topic in AP Calculus BC. But in that class, we restricted ourselves only to cases with non-repeating linear factors. The purpose of this lesson is to investigate the cases with quadratic factors, as well as linear or quadratic factors that repeat.

**Additional comments regarding the Larson reading:**

Page 556 is optional reading if a review of partial fractions with non-repeated linear factors is needed.

**Additional comments regarding the Dawkins reading:**

Examples 1, 2, and 6 are optional reading if a review of partial fractions with non-repeated linear factors is needed.