I. Difference/Sum of 2 Squares (p.410):
   A. \(a^2 - b^2 = (a + b)(a - b)\)
   B. \(a^2 + b^2 = \text{PRIME} \quad (i.e., \text{cannot be factored}^*)\)
   C. Examples (p.414): Problems #36,38; and Problems #30,34,44,46,48

* with Real Numbers; may be factored using Complex Numbers (sections 9.4-9.5)

II. Difference/Sum of 2 Cubes (p.411):
   A. \(a^3 - b^3 = (a - b)(a^2 + ab + b^2)\)
   B. \(a^3 + b^3 = (a + b)(a^2 - ab + b^2)\)
   C. Examples (p.414): Problems #54,62; and Problems #52,56,58,66

III. More Examples (p.414): Problems #64,80,84,92
HW: p.414 / Problems #1-17 (every other odd), 23,
    29-39 (odd), 45, 47, 55, 61,
    63, 69, 79, 81, 83, 89, 91

Read pp.417-419 (section 6.5)