I. Factor "$x^2 + bx + c$" (p.351):

1. $(x + p)(x + q) = x^2 + xq + px + pq$

   $= x^2 + qx + px + pq$

   $= x^2 + px + qx + pq$

   $= x^2 + (p+q)x + pq$

   i.e., find two numbers "p" & "q" such that...

   $x^2 + bx + c = x^2 + (p+q)x + pq$

   need $pq = c$ and $p+q = b$

2. Examples (p.361): Exercises #8,18,22,32,36

II. Factor "$x^{2n} + bx^n + c$" (p.356):

1. "u"-substitution, let $x^n = u$ then $u^2 =$ ______

   and... $x^{2n} + bx^n + c = u^2 + bu + c$

   same criteria for p & q (*i.e.*, need $pq = c$ & $p+q = b$)

   as then... $(u + p)(u + q) = x^{2n} + bx^n + c$

2. Examples (p.361): Exercises #40,42

HW: p.361 / Exercises#3,7,11,15,19,21,31-41(odd)
Re-read pp.356-360 (section 5.4 ~ $ax^2 + bx + c$)