

I. Word Problem Guidelines #2: ([see website link](#))

1. Identify/record the unknown(s).
2. Assign a *different* variable for each unknown.
3. Identify/record the knowns (given info); using phrases, pictures, diagrams, tables, etc.
4. Determine a “**system of equations**” (*i.e.*, “2 equations in 2 variables” — in this particular course) between the unknown and known quantities.
5. Solve and use the solution(s) to answer the original problem (see step 1)...

II. Examples (p.300-302): Problems #8,12,24

III. Mixtures: **keep track of the key ingredient...**

1. see Class Notes for [09/11/2018](#) (Lesson 10, page 3)
2. Example (p.301): Problem #18

HW: pp.300-303 / Problems #1-11(odd), 17, 19, 23,
27, 29, 33-51(odd)

Read pp.311-315 (section 5.1)