I. Word Problem Guidelines:  **5 step procedure**

1. Identify/record the unknown(s).
2. Assign a variable (expression for each unknown*).
3. Identify/record the knowns (given info); using phrases, pictures, diagrams, tables, etc.
4. Determine a relationship (e.g., an equation) between the unknown & known quantities.
5. Solve and use the solution to answer the original problem (see step 1)...)

* If there are two (or more) unknowns to be solved for, then assign a variable to one and write any others with expressions involving that variable (i.e., by how they relate to the named unknown)...

II. Examples (pp.70-71): Exercises #42,46,48,68

HW:  pp.70-71 / Exercises #45-55(odd),47-71(odd)
Read pp.58-69 (section 1.2)
I. Formulas (pp.74-75):
    required to know...
2-dimensional formulas (Area & Perimeter)
3-dimensional formula (Volume) for the cube, rectangular solid & cylinder
simple interest, \( I = p \cdot r \cdot t \)
    \( p = \text{principal}, \ r = \text{interest rate (APR)} \ & \ t = \text{time (yrs)} \)
Uniform motion, \( d = r \cdot t \)
    \( d = \text{distance}, \ r = \text{rate (speed)} \ & \ t = \text{time} \)

II. Examples (pp.79-80): Exercises #38,52

HW: pp.78-80 / Exercises #21,23,29-41(odd),45,47, 49,53,55