I. Word Problem Guidelines #1

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 and the known quantities
5. Solve and use the solution as needed to answer the original problem (refer to step 1)

*If there are two (or more) unknowns to be solved for, assign a variable to one unknown and then represent the others using expressions which involve that variable (i.e., by how they relate to the labeled unknown)...

II. Examples (pp.467-469): Exercises #6, 8, 14, 22
III. Pythagorean Theorem (pp.463-464):

\[ a^2 + b^2 = c^2 \]

IV. Examples (pp.469-470): Exercises #26,30

HW: pp.467-471 / Exercises #1-29 (every other odd)
Read pp.460-465 (section 5.8)