I. Problem Solving – Part II...

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 & 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 using expressions which involve that variable (i.e., by how they relate to the labeled unknown)...

II. Geometry Examples (p.150): #34,36,40

III. Integer Problems (pp.155-156):
1. {..., -3, -2, -1, 0, 1, 2, 3, ...}
2. Examples (p.161): #8,10
IV. Simple Interest (pp.156-157):

1. \( I = P \cdot r \cdot t \)
   where \( P \) = $ amount borrowed/invested (\textit{i.e., principal})
   \( I \) = $ amount of interest paid/earned
   \( r \) = interest rate (annual, or APR in decimal form),
   \( t \) = time (in years)

2. Examples (pp.161-162): #16,18

HW: p.150 / #29-41(odd)
pp.161-164 / #3-19(every other odd), 27-31(odd)
Read pp.167-173 (section 2.8)