I. Translation into Mathematical-ese...

1. Addition – p.33
2. Subtraction – p.41
3. Multiplication/division – p.52
4. Examples (p.148): #2-8(even)

II. Word Problem Solving – How to...

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)...

III. Examples (p.148): #12,18

IV. Geometry Examples (p.150): #32,34,40

HW: pp.148-150: #1-17(odd),29-41(odd)
Read pp.155-160 (section 2.7)

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. 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 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: pp.161-164 / #3-19(every other odd),27-31(odd)

Read pp.167-173 (section 2.8)