1. Determine whether a problem in inductive or deductive reasoning
2. Find the next term in a given sequence (this may be arithmetic, geometric, Fibonacci, or by successive differences
3. Use strategies to solve problems
4. Carry out requested calculations, estimate answers, read information from a given graph

5. Represent sets in requested form
6. Identify set elements
7. Determine if a given set is a subset or a proper subset of a given set
8. Determine whether given sets are equal, equivalent, neither or both
9. Perform operations on sets; includes unions, intersections, complements, and subsets [two and three sets]
10. Solve applications of sets using Venn diagrams, this includes Survey questions

11. Find the conjunctions, disjunctions, and/or negations of given statements.
12. Express statements in *If…, then…* form.
13. Find converse, inverse and contrapositive of given conditional.
14. Find negations of quantified statements.
15. Find equivalent form of statements (includes *p* because *q*, either *p* or *q*, etc.).
16. Construct truth tables for given statements.
17. Use De Morgan's laws to find equivalent statements.
18. Determine whether compound statements are tautologies, this includes bi-conditionals.
19. Find negation of conditional statements.
20. Determine validity of arguments using patterns.
21. Determine validity of arguments using Euler diagrams.
22. Find valid conclusions to given premises.

23. Determine relationship between given angles in a figure
24. Find the measure of an angle from given information
25. Determine whether given figures are convex or not
26. Classify triangles by their sides and/or angles
27. Classify quadrilaterals from given information
28. Solve problems involving the Pythagorean Theorem
29. Solve proportion applications
30. Use dimensional analysis (factor-label) to make requested conversions
31. Understand meaning of pre-fixes
32. Convert with-in the Systems International
33. Convert between the S.I. & U.S. customary
34. Determine the perimeter or area of a given shape
35. Determine the volume or capacity of a given object
36. Determine the temperature in a given situation
37. Solve applications of perimeter, area, volume, or capacity in either system

Chapter Review/Test:
Ch. 1   p. 41   1 – 7, 12 – 3, 16 – 20
Ch. 2   p. 81   1 – 23, 29 – 30
Ch. 3   p. 135 1 – 30
Ch. 9   p. 521 1 – 16, 18, 20 – 29
App. A p. A-5 1 – 96 (every other exercise)

And study your Take Home Tests