

Original Problem: Underline the givens and circle the goals.

Name:

Date:

Hour:

Conjecture (reasonable guess):

Plan: What will you do to solve this problem? (I am going to... so that I can...)

1.

2.

3.

4.

5.

Strategy Selection:

- ☐ Draw and label a diagram
- ☐ Examine Special Cases
- ☐ Simplify the problem
- ☐ Consider equivalent problems
- ☐ Consider slightly modified goals and subgoals
- ☐ Act out the problem/use manipulatives
- ☐ Identify what does NOT work
- ☐ Work backwards

(Adapted from Alan Schoenfeld (1998))

Solution Pathway (Not just what you did, but WHY you did it. Remember, your work is for everyone!)

Toolbox: Are there any formulas which could help you? List them here.

Solution Pathway (cont.):

Questions for
getting unstuck:
Have I tried the strategies
and followed my plan?

Am I getting closer to
solution?

Can I break this problem
into smaller pieces?

Other questions I asked
myself:

Answer (Stated in a complete sentence, referring to the question, units included as necessary):

Check (verification): Use mathematical reasoning to prove that your answer is correct.

I know my answer is right because...

Underline the givens and circle the goals (1)	Conjecture and plan are appropriate and make sense in context of the problem (3)	Solution pathway is complete, questions are present, solution is checked for reasonableness and verified. (4)	Answer is correct, and is stated in a way that responds directly to the question asked.(2)	Total (10):