Name:

Date: Hour:

Original Problem: Underline the givens and circle the goals.

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))

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

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

Template: Perales and Vicich, 2013

| 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): |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

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

I know my answer is right because…

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

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:

Matthew Perales and James Vicich, 2013 (2 of 2)