

Name: _____ Date: _____ Period: _____

☆ **Approaching Problem Solving** ☆

★ **Prompt 1:** Your favorite artist is playing a concert at PNC Bank Arts Center soon, and you really want to go! What do you do?!? 😊

★ **Prompt 2:** Think of a problem you had to solve in your life within the past year. How did you go about solving the problem, and what was the result?

★ **Prompt 3:** A. Suppose you were to drop an item directly down from the edge of the leaning tower of Pisa. What would you have to know to figure out how far away from the base of the building it would land, without going down to measure? Once you know this information, describe how you could figure out how far away from the base of the building the object would land. Support your response thoroughly.

B. Bobby's backyard is rectangular, with the length being quadruple as long as half of the width. One of the longer sides of the yard is adjacent to the house from end to end. The yard covers an area of 200 square feet. If Bobby would like to fence in his yard, how many feet of fencing will he have to purchase? Convince me.

 **Sum It Up:** What methods/strategies did you use to solve these problems?

If someone has a problem he/she needs to solve, what would your suggestions to him/her be, regardless of what the problem is?

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| How are the methods you used to solve these problems similar? | What makes the problems in prompt 3 different? What additional strategies enhanced your methods of solving these problems? |
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