

Algorithm for Problem Solving **1-variable**

- 1. Read the problem to determine the type of problem.**
- 2. Reread the problem to identify what you are looking for and label.**
- 3. Reread again, let x be the smallest you are looking for (my preference).**
- 4. Reread the problem again and label the other quantities in terms of x .**
- 5. Reread the problem again to make an equation, use some fact or relationship involving your variables.**

In order to get the information you need to solve a problem, please note you have to read the problem multiple times!