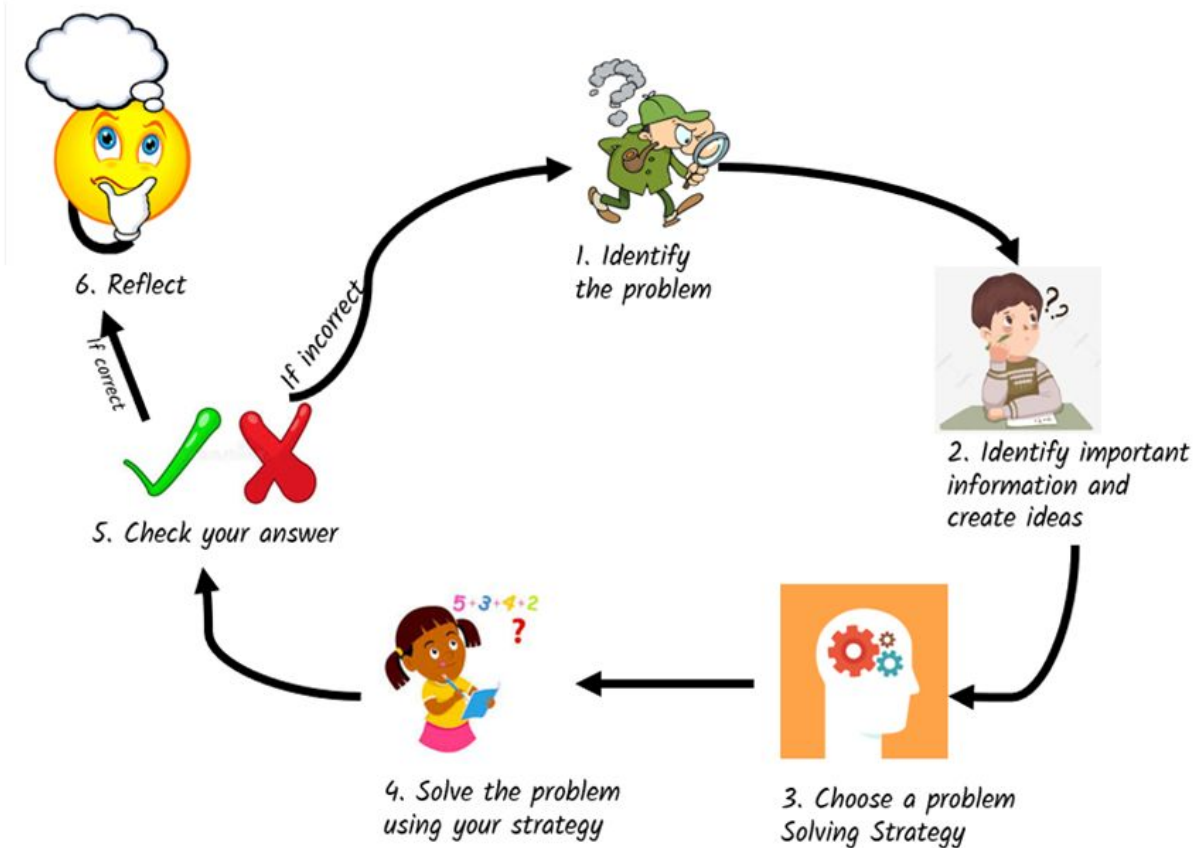




WELCOME TO THE FACING HISTORY SCHOOL

PREPARE FOR PROBLEM-SOLVING IN ALGEBRA



Name: _____



Welcome to The Facing History School

At The Facing History School, we employ students in critical thinking through inquiry and problem-solving. In preparation for your success in algebra, we are asking you to engage in the following problems, we call tasks. These tasks will give you an idea of our problem-solving process while practicing math skills needed for next year.

Please complete **ONLY 2 tasks**. Along with the tasks, you are asked to provide details of your work and thinking through writing. We are asking you to explain the following:

WHAT are you thinking when you are solving the problem?

HOW are you going to solve the problem? (strategy)

WHY are you solving the problem using that particular strategy? (provide math evidence when you say: because I like it, it is easier, it is faster)

HOW do you know you are correct?

WHAT could you have done differently next time?

You will be asked these questions at the end of each task. Please be as detailed as possible.

[TASK #1 - Pyramid](#)

[TASK #2 - Balancing Things Out](#)

[TASK #3 - Missing Info](#)

[TASK #4 - Patterns](#)



Rubric

	Problem Solving	Communication	Neatness and Organization
Good	I can provide an explanation of the strategies I use to solve math problems.	Most of my explanations are clear and explain my mathematical thinking in an organized and detailed way.	The work is presented in a neat and organized fashion that is usually easy to read.
Competent	I can provide some explanation of the strategies I use to solve math problems	I sometimes clearly explain my mathematical thinking in an organized and detailed way.	The work is presented in an organized fashion but may be hard to read at times.
Needs Revision	I can provide an explanation of the strategies I use to solve math problems.	I rarely explain my mathematical thinking in an organized and detailed way.	The work appears sloppy and unorganized. It is hard to know what information goes together.