

You have studied how to solve quadratics in different ways. In order to do this, you needed to be able to:

- Understand that sometimes you need to know your goal, analyze the information in front of you, and make a decision about your path towards that goal, which may include multiple options
 - *You need to solve a quadratic; it does not look factorable; choose one of the other exits out of the “burning building”; you could graph, but is that too risky?; will there be zero, one or two results*
- Understand that paying attention to details can make or break a task; making a problem seem impossible when it is not at all
 - *Dropping a negative can make a simple two solution quadratic look unsolvable*
- Understand that if information you need is not given, you need to go get it
 - *A formula for axis of symmetry, area, perimeter or vertical motion*
 - *A c value that will let you complete the square*
 - *An a value of 1*
 - *An equation that equals zero*
 - *A vertex that will allow you to graph a parabola*

1. Pick two characters from:

8th: World War II , Hideki Tōjō or Isoroku Yamamoto’s decision to bomb Pearl Harbor; Truman’s decision to use the atomic bomb OR a character from Of Mice and Men (you are not too far in so you will have to do some predicting if you choose a character from Of Mice and Men)

You will be studying these concepts more in Social Studies in the next few weeks and years. You may need to do some research. Use the internet or books(!) Use proper footnotes.

7th: John Adams, Alexander Hamilton, George Washington

2. Pick one life lesson from the Algebra unit:

- Sometimes you need to know your goal, analyze the information in front of you, and make a decision about your path towards that goal, which may include multiple options
- Paying attention to details can make or break a task; making a problem seem impossible when it is not at all
- If information you need is not given, you need to go get it

3. Explain how the two characters you chose and you have used that life lesson in their experiences:

How should it look?

Paragraph 1: Intro: introduce life lesson.

Paragraph 2: How have you used this lesson in solving quadratics? Give specific examples.

Paragraph 3: Explain how you have used that lesson in your life outside of Algebra or how you may need to.

Paragraph 4: Introduce your character and explain how they used this lesson in their experience; were there zero, one or two solutions to your character’s problem? Did they make a mistake and think that there were no solutions when there was one? Give a specific circumstance.

Paragraph 5: Conclusion; compare/contrast yourself to your character.

What is expected Monday?

A rough draft; may be done on looseleaf; it should be at least two sides of a page

Magis #1: more characters (new paragraph per character)

Magis #2: a beginning of a drawing using color to help explain your vision – be creative....

How will you be graded?

Monday’s rough draft will be a HW effort grade based on **two sides of a page**, and **directions followed**. **Footnotes** will be part of the grade for 8th grade only. That is all. The final paper due later will be revised and edited and graded using the rubric on the back.