

Part 2

Having created a mind map of Algebra, it's now time to turn your attention to a set of specific, challenging problems that span the topics we've learned.

Directions

Choose *two* Problems of the Week. In addition, solve *two* 6-point Regents problem of your choosing.

For each problem:

- Solve on a separate piece of paper.
- Describe your reasoning and solving process.
- Solve in at least 2 different ways.
- Finally, use your mind map to categorize the problem. Which topics would a student need to know to solve the problem? State as many topics as possible.

Here are further specifications and clarifications:

- The mind map should be colorful.
- The Problems of the Week will be posted on my website.
- The 6-point Regents problems must come from any Regents exam between 2016 and 2019.
- If you make a poster, you may staple the problems to the front or back of the mind map.
- If a problem says to do something *algebraically*, you must solve it algebraically first. *Then*, as part of your second method, you may solve it any other way.

Part 3

Create a drawing, write a song, make a video, or do any other thing of your choice that expresses how you see/view/feel about mathematics. It does not need to involve this year's class, but it may.

If you don't feel like sharing an opinion about mathematics, you may as an alternative create something that expresses a *positive* feeling or set of feelings about any person or event that occurred in our class this year. For example, was there a student you felt really helped you in class? Was there a day in class where you felt really good about yourself? Was there an accomplishment you are proud of?