

Algebra 2 Honors

Mr. Joseph and Mrs. Sunderland

Week 4: April 13 - 17, 2020

Contact information

<p>Mr. Joseph djoseph@fairhavenps.net Google classroom code: Period 2: ubd53wi</p>	<p>Mrs. Sunderland jsunderland@fairhavenps.net Google classroom codes: Period 3: s5ag3so Period 7: usorxqz</p>
--	--

- This week you will be reviewing the concepts of quadratic functions and equations. If anyone cannot access the Khan Academy website, please reach out ASAP either by email or google classroom and I will provide another enrichment for you to practice these same concepts.
- If you need help at any point through this week's enrichment activity please post questions on Google Classroom stream, and feel free to help each other.
- We worked hard to ensure that the Learning Plan provides accessibility for all learners. We hope that you see that there are options to engage learners at all levels. *These activities are not intended to replace the normal school day.* **There is now an expectation at this time to turn these documents in to your specific educators.** We want you to take time to enjoy family, be safe, stay healthy and find time within this week to engage in learning opportunities. Feel free to create a schedule that works for you and your family. **We strongly encourage each student to participate in approximately two hours a day.** We want your brain working and challenging yourself, while staying safe and having fun.

For those **with** a khan academy account already you can go to the condensed syllabus found [HERE](#).

For those who **do not** have a khan academy account already you need to follow the syllabus below.

Both the condensed syllabus and regular syllabus are exactly the same work.

❖ **Enrichment Activity #1:**

- **Time frame:** 15 minutes
- The objective of this enrichment activity is to help remind you of the skills highlighted in last week's syllabus.
- The enrichment activity can be found at the following link:
<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:quadratic-functions-equations/quiz/x2f8bb11595b61c86:quadratic-functions-equation-s-quiz-2?modal=1>

❖ **Enrichment Activity #2:**

- **Time frame:** 45 minutes
- The objective of this enrichment activity is to help remind you of the skills needed to solve quadratic equations by factoring. The enrichment activity can be found at the following link:
<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:quadratic-functions-equations/x2f8bb11595b61c86:quadratics-solve-factoring/v/example-1-solving-a-quadratic-equation-by-factoring>
- *There are 5 videos to watch*
 - *Solving Quadratics by factoring*
 - *Solving Quadratics by factoring; leading coefficient $\neq 1$*
 - *Solving Quadratics using structure*
 - *Quadratic equations word problems; triangle dimensions*
 - *Quadratic equations word problems; box dimensions*
 -
- *There are 3 sets of practice problems to complete*
 - *Quadratics by factoring(intro)*
 - *Quadratics by factoring*
 - *Solve equations using structure*

❖ Enrichment Activity #3:

- **Time frame:** 45 minutes
- The objective of this enrichment activity is to help remind you of the skills needed to solve quadratics using the quadratic formula.
- The enrichment activity can be found at the following link:
<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:quadratic-functions-equations/x2f8bb11595b61c86:quadratic-formula-a1/v/using-the-quadratic-formula>
- *There are 5 videos to watch*
 - *The quadratic formula*
 - *Worked example the quadratic formula(example 2)*
 - *Worked example the quadratic formula(negative coefficients)*
 - *Using the quadratic formula; number of solutions*
 - *Proof of the quadratic formula*
- *There are 2 sets of practice problems to complete*
 - *Practice: quadratic formula*
 - *Practice: number of solutions of quadratic equations*

❖ Enrichment Activity #4:

- **Time frame:** 15 minutes
- The objective of this enrichment activity is review solving quadratic equations by factoring and quadratic formula.
- The enrichment activity can be found at the following link:
<https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:quadratic-functions-equations/quiz/x2f8bb11595b61c86:quadratic-functions-equation-s-quiz-3?modal=1>

❖ Assignment To Be Turned In via Google Classroom in classwork section

- **Time frame:** none
- If you have joined Khan Academy nothing else needs to be done. All of your work has been saved and I can review it.
- If you did not join Khan Academy you need to submit pictures of the work that you did through Google Classroom.

If you need help at any point through this week's enrichment activity please post questions on Google Classroom stream, so all questions will be seen by everyone and we can all help each other.