

## Honors Pre-Calculus Summer 2023



### 1. Join the “Honors Pre-Calculus (2023-2024)” Khan Academy Class

- Go to [khanacademy.org/join](https://khanacademy.org/join)
- Enter the class code: SWAC9QH6
  - If you have used Khan Academy at SJCP in a previous class, use your school email account and join the class.
  - If you have not used Khan Academy at SJCP in a previous class, create a new account by entering your birthday and signing in via Google with your school email account.

### 2. Review Factoring on Khan Academy

Complete the following article and exercises, which should already be assigned to you in the Khan Academy class. To access assignments for “Honors Pre-Calculus (2023-2024),” there should be a menu on the left hand side of the screen (if you do not see this right away, refresh your browser).

- Factoring Quadratics in Any Form (Article)
- Factoring Quadratics with a Common Factor (Exercise)
- Factor Quadratics by Grouping (Exercise)
- Difference of Squares Intro (Exercise)
- Difference of Squares (Exercise)
- Perfect Squares Intro (Exercise)
- Perfect Squares (Exercise)

Each exercise includes four questions. You can complete these exercises as many times as you want for extra practice. There is no minimum score required, but it would be beneficial to be able to get at least a 75% for each exercise.

There will be several quizzes on factoring throughout the year, with the first one being during the first week of school.

### 3. Review Complex Number Concepts on Khan Academy

Complete the following articles and exercises, which should already be assigned to you in the Khan Academy class. To access assignments for “Honors Pre-Calculus (2023-2024),” there should be a menu on the left hand side of the screen (if you do not see this right away, refresh your browser).

- Intro to Imaginary Numbers (Article)
- Simplify Roots of Negative Numbers (Exercise)
- Intro to Complex Numbers (Article)
- Multiplying Complex Numbers (Article)
- Multiply Complex Numbers (Exercise)

Take notes, as needed, about the information in each article. These concepts will not be reviewed explicitly in class. Each exercise includes four questions. You can complete these exercises as many times as you want for extra practice. There is no minimum score required, but it would be beneficial to be able to get at least a 75% for each exercise.

Feel free to email Mrs. Coughlin ([acoughlin@saintjohnsprep.org](mailto:acoughlin@saintjohnsprep.org)) with any questions. Please be patient with a response, as I check my email about once a week in the summer.