Joining the Khan Academy Class:
- Use class code KJPV5JT4 and your non-ACE email to join the class at www.khanacademy.org/join.
  - DO NOT use your acemacon email address
  - If you already have an account, add a class by going to the coaches tab on your dashboard.
  - Your khan username should be your first and last name.
- Then, you must go to https://forms.gle/MnpmGED4ggYz3GFd7 and fill it out with your email and password, so if you get locked out of your account, we can help.

Assignments on Khan will be published on May 15th. Make sure the assignments being completed are the ones assigned on the your “Home” tab: You may have to click “View assignments due later” to see all of them. If you join the course after May 15th, you may not instantly see those assignments. That’s because an ACE teacher has to assign them to you. If they do not show up in 24 hours, email the teacher above. The assignments online should match the list below.

**Part One:** Complete each of the following exercises on Khan Academy with a score of 100%. You have unlimited attempts until the first day of school @ 7:45am. Take advantage of the hints and videos provided through the website to prepare yourself for the next year of mathematics. You should see these assignments on your “Home” tab. Do not try to search these assignments out. If they have not been assigned to you, the results will not get to your teacher.

1. **Khan Assignment:** Limits and continuity: Quiz 1
2. **Khan Assignment:** Limits of composite functions
3. **Khan Assignment:** Limits by direct substitution
4. **Khan Assignment:** Direct substitution w/ limits that DNE
5. **Khan Assignment:** Limits of trig functions
6. **Khan Assignment:** Limits of piecewise functions
7. **Khan Assignment:** Limits and continuity: Quiz 2
8. **Khan Assignment:** Limits by factoring
9. **Khan Assignment:** Limits using conjugates
10. **Khan Assignment:** Limits using trig identities
11. **Khan Assignment:** Squeeze Theorem
12. **Khan Assignment:** Limits and continuity: Quiz 3
13. **Khan Assignment:** Removable discontinuities
14. **Khan Assignment:** Limits and continuity: Quiz 4
15. **Khan Assignment:** Limits and continuity: Quiz 5
16. **Khan Assignment:** Using the inter. value theorem
17. **Khan Assignment:** Justification with the IVT
18. **Khan Assignment:** Limits and continuity: Quiz 6
19. **Khan Assignment:** Average rate of change
20. **Khan Assignment:** Use the properties of logarithms
21. **Khan Assignment:** Special products of binomials
22. **Khan Assignment:** Identify Composite Functions
23. **Khan Assignment:** Point-Slope Form
24. **Khan Assignment:** Slope-intercept from two points
25. **Khan Assignment:** Trig Values of special Angles
26. **Khan Assignment:** Unit Circle
27. **Khan Assignment:** Rational Equations (advanced)
28. **Khan Assignment:** Fractional Exponents

**Part Two:** Must know information going into calculus, review all of the following:

1. The Unit Circle
2. Parent Functions & their properties
3. Exponent Rules / Properties of logarithms
4. Function composition
5. Equation of a line
6. Solving equations of any kind
7. Characteristics of functions: Domain, Range, Intercepts, End Behavior, Intervals of Increasing/Decreasing, Extrema, etc.
8. Using a graphing calculator to better understand functions: Calculating minimums/maximums, calculating zeros, evaluating functions, etc.
9. Be comfortable with the Unit Circle & Parent Functions on the back