Joining the Khan Academy Class:

- Use class code 7HWJZGAZ and your 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: Dependent Probability
2. Khan Assignment: Independent Probability
3. Khan Assignment: Trends in Categorical Data
4. Khan Assignment: Probabilities of Compound Events
5. Khan Assignment: Basic Set Notation
6. Khan Assignment: Adding Probabilities
7. Khan Assignment: Calculating Conditional Probability
8. Khan Assignment: The counting principle
9. Khan Assignment: Permutations and Combinations
10. Khan Assignment: Individuals, variables, and categorical and quantitative data
11. Khan Assignment: Positive and Negative Linear Associations from Scatter Plots
12. Khan Assignment: Types of Statistical Studies
13. Khan Assignment: Extend Arithmetic Sequences
14. Khan Assignment: Use Arithmetic Sequence Formulas
15. Khan Assignment: Recursive Formulas for Arithmetic Sequences
16. Khan Assignment: Converting recursive and explicit forms of Arithmetic Sequences
17. Khan Assignment: Explicit formula for Arithmetic Sequences
18. Khan Assignment: Extend Geometric Sequences
19. Khan Assignment: Use Geometric Sequence Formulas
20. Khan Assignment: Explicit Formulas for Geometric Sequences
21. Khan Assignment: Recursive Formulas for Geometric Sequences
22. Khan Assignment: Find Compound Interest
23. Khan Assignment: Word Problems on Compound Interest
24. Khan Assignment: Average Rate of Change Word Problems
25. Khan Assignment: Matrix Elements
26. Khan Assignment: Matrix Dimensions
27. Khan Assignment: Matrix Equations: Addition and Subtraction
28. Khan Assignment: Point-slope Form
29. Khan Assignment: Slope-intercept from two points

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

1. Equation of a line
2. Solving equations of any kind
3. Solving systems of equations using all methods
4. Laws of Exponents
5. Pythagorean Theorem
6. Proportional Relationships