

Summary Project

This **optional** project in conjunction with redoing your online assignments will help demonstrate your knowledge of the work that we covered this year (2019-2020).

Write a 6-page **HANDWRITTEN** summary **IN YOUR OWN WORDS** with **EXAMPLES** of this year's material.

- Pages 1 and 2 are Chapter 3—
Graph Theory
- Pages 3 and 4 are Chapter 4—Geometry
- Pages 5 and 6 are Chapter 6—
Probability

Use the course topics below to make sure all topics are covered.

Chapter 3 Graph Theory

- 23. Graph Theory Definitions Part 1
- 24. Graph Theory Definitions Part 2
- 25. Paths
- 26. Circuits
- 27. Paths and Circuits—Putting It All Together
- 28. Trees
- 29. Directed Graphs
- 30. Weighted Graphs
- 31. Optimal Paths and Circuits
- 32. Optimal Trees

Chapter 4 Geometry

- 36. Area of a Triangle
- 37. Introduction to Cosine Law
- 38. Equivalent Figures
- 45. Equivalent Solids
- 00. Sine Law
- 00. SOH CAH TOA and Angles Review

Chapter 6 Probability

- 53. Theoretical and Experimental Probability
- 54. Odds and Probability
- 55. Venn Diagrams Part 1
- 56. Venn Diagrams and Probability Part 1
- 57. Venn Diagrams and Probability
- 58. Venn Diagrams and Conditional Probability
- 59. Advanced Venn Diagrams and Probability
- 60. Conditional Probability and Double Entry Tables
- 61. Tree Diagrams and Consecutive Events
- 62. Voting Procedures
- 64. Mathematical Expectation—Expected Value
- 00. Mathematical Expectation—Geometric Probability
- 00. Mathematical Expectation—non-game situations