Study Guide for 2019 Geometry Honors Mid-Year Examination
given by Mr. Baroody

Format

- 10 True/False questions @ 1 point each – 10 points total
- 10 Sometimes/Always/Never questions @ 1 point each – 10 points total
- 20 Matching questions @ 1 point each – 20 points
- 30 Multiple Choice questions @ 1 point each – 30 points
- 4 Proofs / Do any 3 @ 10 points each – 30 points

Total of 100 points

Responsibilities

- All tests and quizzes
- Class notes and homework assignments
- Review problems
- All vocabulary introduced during the semester

Suggested study guides and activities

- Use topic and vocabulary sheets that are attached
- Look over all tests and quizzes and make sure you can do ***all*** the problems on them (whether you got them correct the first time or not!)
- Look over review problems for Chapters 1-6, 7.1 & 7.2
- Try some problems from the Cumulative Review for Chapters 1-3
- Try some problems from the Cumulative Review for Chapters 1-6
- Utilize extra help sessions!

Topics for Mid-Year Examination

- Geometry related vocabulary
- Measurement of Segments and Angles (Degrees and Degrees, Minutes, Seconds)
- Chain of reasoning
- Transformation on the coordinate plane (90°, 180°, 270°, and reflection over y=x)
- Symmetry (Rotational and Reflectional)
- Proof Structure
- Probability
- Perpendicularity
- Complementary and Supplementary Angles
- Subtraction & Addition Properties of Angles and Segments
- Multiplication & Division Properties of Angles and Segments
- Transitive Property of Congruent Angles and Segments
- Vertical Angle Theorem
- Triangle Congruence (SSS, SAS, ASA, HL)
- CPCTC
- Types of Triangles
- Triangle Inequality Theorem
- Proving Triangles Congruent (including Overlapping Triangles)
- Isosceles Triangle Theorem
- Basic Properties of Circles
- Indirect Proof
- Right Angle Theorem
- Equidistance Theorem
- Exterior Angle Theorem
- Perpendicular Bisector Theorems
- Parallelism
- Parallel Line Theorems
- Quadrilaterals
- Properties of Quadrilaterals
- Three-Dimensional Concepts and Proofs
- Perpendicularity Among Lines and Planes
- Perpendicular and Parallel Planes
- Sum of the angles of a triangle
- No Choice and AAS Theorems

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Terms	*More terms*	*Still more terms!!!*
1. Acute angle	36. Hypothesis	71. Plane
2. Adjacent angles	37. Included angle	72. Point
3. Alternate interior angles	38. Included side	73. Point symmetry
4. Altitude	39. Interior angle	74. Polygon
5. Angle	40. Interior points	75. Postulate
6. Angle bisector	41. Intersecting lines	76. Quadrilateral
7. Base angles	42. Intersecting planes	77. Ray
8. Bilateral symmetry	43. Inverse	78. Rectangle
9. Bisect	44. Isosceles triangle	79. Reflection
10. Coincide	45. Kite	80. Reflectional symmetry
11. Collinear	46. Leg of an isosceles triangle	81. Reflexive property
12. Complementary	47. Leg of a right triangle	82. Regular
13. Concave polygon	48. Line	83. Remote interior angles
14. Conclusion	49. Line perpendicular to a plane	84. Rhombus
15. Congruent parts	50. Line segment	85. Right angle
16. Congruent triangles	51. Line symmetry/Line of symmetry	86. Right triangle
17. Consecutive angles	52. Measure of a segment	87. Rigid/Non-rigid transformations
18. Consecutive sides	53. Measure of an angle	88. Rotation/Rotational symmetry
19. Contrapositive	54. Median of a triangle	89. Same side interior angles
20. Converse	55. Midline	90. Scalene triangle
21. Convex polygon	56. Midpoint	91. Skew lines
22. Coplanar	57. Non-collinear	92. Space
23. Corresponding angles	58. Non-coplanar	93. Square
24. Corresponding parts	59. Nonagon	94. Substitution Postulate
25. Decagon	60. Oblique	95. Supplementary angles
26. Diagonal	61. Obtuse	96. Theorem
27. Equiangular triangle	62. Octagon	97. Transitive Property
28. Equidistant	63. Opposite rays	98. Translation
29. Equilateral triangle	64. Parallel lines	99. Transversal
30. Exterior angles	65. Parallel planes	100. Triangle
31. Exterior points	66. Parallelogram	101. Undefined terms
32. Foot	67. Pentagon	102. Unique
33. Heptagon	68. Perpendicular bisector	103. Vertex
34. Hexagon	69. Perpendicular lines	104. Vertical angles
35. Hypotenuse	70. Perpendicular planes	