

Your Exam is on one of the following:

Monday, June 10th from 7:45 – 9:15 (Purple Class)

Tuesday, June 10th from 7:45 – 9:15 (Blue Class)

Tuesday, June 10th from 10:15 – 11:45 (Yellow Class)

Format

- 20 True/False questions @ 1 point each – 20 points total
- 20 Open-ended questions @ 3 points each – 60 points
- 2 Proofs / Do either @ 10 points each – 10 points

Total of 90 points

Responsibilities

- All tests and quizzes
- Class notes and homework assignments
- Review problems
- All vocabulary introduced during the year
- All notes from Chapters 7 through

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!)
- Reprint the Chapter Review packets from my web site and do them again...don't look at the answers so that you know what you don't know
- Look over review problems for Chapters 7-12 in the book
- Try some problems from the Cumulative Review for Chapters 1-9 in the book
- Try some problems from the Cumulative Review for Chapters 1-12 in the book
- Utilize in class review time and extra help sessions!!

Topics for Final Examination

- Similar polygons
- Similar triangles
- Walk-around problems
- Pythagorean Theorem
- Altitude on Hypotenuse Theorems (altitudes of a right triangle)
- The Distance Formula
- 30-60-90 triangles
- 45-45-90 triangles
- Sliding ladder problems
- Sine, cosine, tangent fundamental concepts and using these to solve problems
- Intercepted arcs and chords
- Secants and Tangents
- Circumscribed and inscribed circles
- Internally and Externally tangent circles
- Relationships of perimeter and circumference
- Internal and external common tangents
- Sectors and segments of a circles
- Angles with vertex inside, on or outside of the circle
- Inscribed quadrilaterals
- The Power Theorems
- Relationships of linear, area and volumes measures of figures
- Relationships within a trapezoid: median, altitude, base angles, area
- Various formulas for the areas of quadrilaterals
- Triangles with equal or proportional areas
- Surface area and volume of prisms, pyramids, cylinders, cones and sphhhhhheres
- Surface area and volume of a cube
- Shaded region problems
- North, south, east, west hiking problems
- Longest side opposite largest angle and other inequalities
- Equations of lines (altitude, median of a triangle)

Study Guide for 2019 Honors Geometry Final Examination given by Mr. Baroody

Terms	More terms	Still more terms!!!
1. Acute angle	38. Cosine	75. Means
2. Adjacent angles	39. Cylinder	76. Mean proportional
3. Alternate interior angles	40. Decagon	77. Median of a triangle
4. Altitude	41. Diagonal	78. Midline of a triangle
5. Angle	42. Diameter	79. Midpoint
6. Angle bisector	43. Equation	80. Minor arc
7. Annulus	44. Equiangular triangle	81. Non-collinear
8. Apothem	45. Equidistant	82. Non-coplanar
9. Arc of a circle	46. Equilateral triangle	83. Nonagon
10. Base angles	47. Exterior angles	84. Oblique
11. Bisect	48. Exterior points	85. Obtuse
12. Central angle	49. Externally tangent circles	86. Octagon
13. Chord of a circle	50. Extremes	87. Opposite rays
14. Chord-chord angle	51. Foot	88. Parallel lines
15. Circle	52. Frustum	89. Parallel planes
16. Circumscribed circle	53. Geometric mean	90. Parallelogram
17. Coincide	54. Heptagon	91. Pentadecagon
18. Collinear	55. Hexagon	92. Pentagon
19. Common point	56. Hypotenuse	93. Perpendicular bisector
20. Common external tangent	57. Hypothesis	94. Perpendicular lines
21. Common internal tangent	58. Included angle	95. Perpendicular planes
22. Complementary	59. Included side	96. Plane
23. Concave polygon	60. Inscribed circle	97. Point
24. Concentric circles	61. Inscribed angle	98. Polygon
25. Concyclic	62. Interior angle	99. Polyhedron
26. Cone	63. Interior points	100. Postulate
27. Congruent arcs	64. Internally tangent circles	101. Prism
28. Congruent parts	65. Intersecting lines	102. Proportion
29. Congruent circles	66. Intersecting planes	103. Pyramid
30. Congruent triangles	67. Isosceles triangle	104. Quadrilateral
31. Consecutive angles	68. Leg of a triangle	105. Radius of a circle
32. Consecutive sides	69. Line	106. Radius of a regular polygon
33. Converse	70. Line perpendicular to a plane	107. Ratio
34. Convex polygon	71. Line segment	108. Ray
35. Coplanar	72. Major arc	109. Rectangle
36. Corresponding angles	73. Measure of a segment	110. Reflexive property
37. Corresponding parts	74. Measure of an angle	111. Regular polygon

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Terms	More terms	Still more terms!!!
112. Remote interior angles	124. Semicircle	136. Tangent segment
113. Rhombus	125. Similar	137. Tangent-tangent angle
114. Right angle	126. Sine	138. Tangent to a circle
115. Right triangle	127. Skew lines	139. Theorem
116. Same side interior/exterior angles	128. Space	140. Transitive
117. Scalene triangle	129. Sphere	141. Transversal
118. Secant-secant angle	130. Square	142. Triangle
119. Secant segment	131. Substitution Postulate	143. Undecagon
120. Secant-tangent angle	132. Supplementary angles	144. Undefined terms
121. Secant to a circle	133. Symmetric	145. Unique
122. Sector of a circle	134. Tangent	146. Vertex
123. Segment of a circle	135. Tangent-chord angle	147. Vertical angles