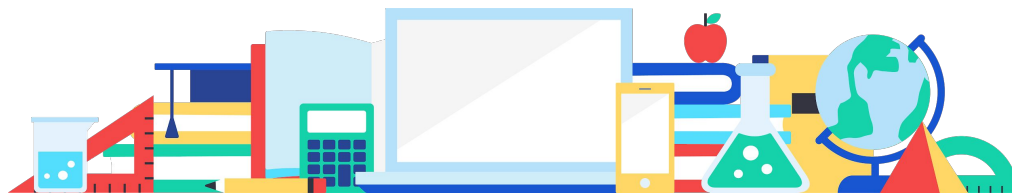




Geometry Review Guide

Updated January 2020



Key Topics

Key Topics Covered in Geometry

- Geometry Fundamentals
 - ◆ Points, lines & planes
 - ◆ Line segments & rays
 - ◆ Angles
 - ◆ Parallel & perpendicular lines
- Polygons
 - ◆ Triangles
 - ◆ Quadrilaterals (including rectangles, squares, parallelograms, rhombuses, trapezoids)
 - ◆ Regular vs. irregular polygons
- Perimeter, Area & Volume
 - ◆ Perimeter & area
 - ◆ Volume & surface area
- Circles
 - ◆ Tangents
 - ◆ Arcs & chords
 - ◆ Degrees & radians
 - ◆ Inscribed circles
- Congruence & Similarity
- Symmetry & Transformation
 - ◆ Rotations & dilations
 - ◆ Reflections
 - ◆ Translations
 - ◆ Symmetry
- Triangles
 - ◆ Medians, altitudes & bisectors
 - ◆ Introduction to right triangles & trigonometry
- Analytical Geometry
 - ◆ Cartesian coordinate system
 - ◆ Distance & midpoint
 - ◆ Line segments
- Solid Geometry
- Introduction to Proofs
 - ◆ Conditional statements & converses
 - ◆ Deductive & inductive reasoning

Geometry

Additional Resources

- <https://www.khanacademy.org/math/geometry>
- <https://www.mathplanet.com/education/geometry>
- <https://www.sparknotes.com/math/>
- <http://mathguy.us/Handbooks/GeometryHandbook.pdf>
- <http://teachers.dadeschools.net/mcooper/GeometryReviewEOC.html>
- <https://www.mathsisfun.com/geometry/index.html>
- [https://www.nysmathregentsprep.com/uploads/6/2/3/2/62326735/final_3_-_geometry_\[common_core\]_regents_review_sheet_-_facts_you_must_know_cold.pdf](https://www.nysmathregentsprep.com/uploads/6/2/3/2/62326735/final_3_-_geometry_[common_core]_regents_review_sheet_-_facts_you_must_know_cold.pdf)
- <https://www.radford.edu/~wacase/Geometry%20Notes%201.pdf>