**Geometry regents review topics**

Below is a list of 12 self-guided lessons covering all the topics of geometry that you will need to know in order to be well prepared for the regents exam. Each topic below has a pre-assessment and post-assessment assignment on Castle Learning. Begin by taking the Pre-assessment for topic 1, “Parallel Lines”. If you score at least a 75%, move on to the next pre-assessment, “Coordinate Geometry”. If you score below a 75%, proceed to the lesson corresponding to that topic below. Go through the lessons and practice problems, then take the “Coordinate Geometry” post-assessment to make sure you’ve mastered the topic before you move onto the next one.

Continue in the same manner for all 12 topics; pre-assessment, lesson (if you need a refresher), followed by post-assessment. Good luck, and email me if you have any questions before regents day.

1. [Parallel Lines](http://www.regentsprep.org/Regents/math/geometry/GP8/indexGP8.htm)
2. Coordinate Geometry
   * 1. [Slope and the equation of a line](http://www.regentsprep.org/Regents/math/geometry/GCG1/indexGCG1.htm)
     2. [Midpoint Formula](http://www.regentsprep.org/Regents/math/geometry/GCG2/indexGCG2.htm)
     3. [Distance Formula](http://www.regentsprep.org/Regents/math/geometry/GCG3/indexGCG3.htm)
3. Quadrilaterals and other polygons
4. [Quadrilaterals](http://www.regentsprep.org/Regents/math/geometry/GP9/indexGP9.htm)
5. [Interior and exterior angles of polygons](http://www.regentsprep.org/Regents/math/geometry/GG3/indexGG3.htm)
6. Transformation Geometry
7. [Symmetry](http://www.regentsprep.org/Regents/math/geometry/GT1a/indexGT1a.htm)
8. [Reflections over a line and a point](http://www.regentsprep.org/Regents/math/geometry/GT1/indexGT1.htm)
9. [Translations](http://www.regentsprep.org/Regents/math/geometry/GT2/indexGT2.htm)
10. [Dilations](http://www.regentsprep.org/Regents/math/geometry/GT3/indexGT3.htm)
11. [Rotations](http://www.regentsprep.org/Regents/math/geometry/GT4/indexGT4.htm)
12. [Notation for Transformations](http://www.regentsprep.org/Regents/math/geometry/GT5/indexGT5.htm)
13. [Composition of Transformations](http://www.regentsprep.org/Regents/math/geometry/GT6/indexGT6.htm)
14. Triangle Theorems
15. [Angles in Triangles](http://www.regentsprep.org/Regents/math/geometry/GP5/indexGP5.htm)
16. [Isosceles Triangles](http://www.regentsprep.org/Regents/math/geometry/GP6/indexGP6.htm)
17. [Triangle Inequalities](http://www.regentsprep.org/Regents/math/geometry/GP7/indexGP7.htm)
18. [Mid-segment of a Triangle](http://www.regentsprep.org/Regents/math/geometry/GP10/indexGP10.htm)
19. [Triangle Congruence](http://www.regentsprep.org/Regents/math/geometry/GP4/indexGP4.htm)
20. Circle Geometry
21. [Chords, secant and tangent lines](http://www.regentsprep.org/Regents/math/geometry/GP14/indexGP14.htm)
22. [Angles and arcs](http://www.regentsprep.org/Regents/math/geometry/GP15/indexGP15.htm)
23. [Similar Polygons](http://www.regentsprep.org/Regents/math/geometry/GP11/indexGP11.htm)
24. [Equations of a Circle](http://www.regentsprep.org/Regents/math/geometry/GCG6/indexGCG6.htm)
25. [Area of 2D Figures (Polygons)](http://library.thinkquest.org/20991/geo/area.html)
26. [Logic](http://www.regentsprep.org/Regents/math/geometry/GP2/indexGP2.htm)
27. [Solid Geometry (volume)](http://www.regentsprep.org/Regents/math/geometry/GG2/indexGG2.htm)