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
2. Coordinate Geometry
    a) Slope and the equation of a line
    b) Midpoint Formula
    c) Distance Formula
3. Quadrilaterals and other polygons
    a) Quadrilaterals
    b) Interior and exterior angles of polygons
4. Transformation Geometry
    a) Symmetry
    b) Reflections over a line and a point
    c) Translations
    d) Dilations
    e) Rotations
    f) Notation for Transformations
    g) Composition of Transformations
5. Triangle Theorems
    a) Angles in Triangles
    b) Isosceles Triangles
    c) Triangle Inequalities

    d) Mid-segment of a Triangle
6. Triangle Congruence
7. Circle Geometry
    a) Chords, secant and tangent lines
    b) Angles and arcs

8. Similar Polygons
9. Equations of a Circle
10. Area of 2D Figures (Polygons)
11. Logic
12. Solid Geometry (volume)