# Geometry Second Semester Exam Review

| Topic | Lesson/Example |
|---|---|
| Classifying Quadrilaterals | 6-1 Examples 1 and 2 |
| Properties of Parallelograms | 6-2 Examples 1 and 2 and 3 |
| Proving that a Quadrilateral is a Parallelogram | 6-3 Example 1 |
| | |
| Ratios and Proportions | 7-1 Example 4 |
| Similar Polygons | 7-2 Examples 2 and 3 |
| Proving Triangles Similar | 7-3 Examples 2 and 4 |
| Similarity in Right Triangles | 7-4 Example 2 |
| Proportions in Triangles | 7-5 Examples 1 and 3 |
| | |
| Areas of Parallelograms and Triangles | 10-1 Examples 1 and 3 |
| Areas of Trapezoids, Rhombuses, and Kites | 10-2 Example 2 |
| Areas of Regular Polygons | 10-3 Examples 1 and 3 |
| Perimeters and Areas of Similar Figures | 10-4 Example 1 |
| Trigonometry and Area | 10-5 Example 3 |
| Circle and Arcs | 10-6 Examples 3 and 4 |
| | |
| Surface Areas of Prisms and Cylinders | 11-2 Example 3 |
| Surface Areas of Pyramids and Cones | 11-3 Examples 1, 3 and 4 |
| Volumes of Prisms and Cylinders | 11-4 all examples |
| Volumes of Pyramids and Cones | 11-5 Example 1 |
| Surface Areas and Volumes of Spheres | 11-6 Example 3 |
| Areas of Volumes of Similar Solids | 11-7 Example 2 |
| | |
| Tangent Lines | 12-1 Examples 1 and 5 |
| Chords and Arcs | 12-2 Example 3 |
| Inscribed Angles | 12-3 Example 2 |
| Angle Measures and Segment Lengths | 12-4 Examples 1 and 3 |
| Circles in the Coordinate Plane | 12-5 Examples 2 and 4 |