**GEOMETRY EXAM REVIEW (FIRST SEMESTER)**

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| TOPIC | LESSON / EXAMPLE |
|  |  |
| Naming Segments and Rays | 1-4 Example 1 |
| Identifying Parallel and Skew Segments | 1-4 Example 2 |
| Using the Segment Addition Postulate | 1-5 Example 2 |
| Using the Angle Addition Postulate | 1-6 Example 3 |
| Constructing the Perpendicular Bisector | 1-7 Example 3 |
| Finding Angle Measures | 1-7 Example 4 |
| Finding Distance | 1-8 Example 1 |
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| Finding a Counterexample | 2-1 Example 3 |
| Writing the Converse of a Conditional | 2-1 Example 5 |
| Writing a Biconditional | 2-2 Example 1 |
| Separating a Biconditional Into Parts | 2-2 Example 2 |
| Real-World Connection | 2-3 Example 3 |
| Real-World Connection | 2-3 Example 5 |
| Justifying Steps in Solving an Equation | 2-4 Example 1 |
| Using Properties of Equality and Congruence | 2-4 Example 3 |
| Using the Vertical Angles Theorem | 2-5 Example 1 |
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| Properties of Parallel Lines | 3-1 |
| Using a Transversal | 3-2 Example 1 |
| Classifying a Triangle and Finding Angle Measures | 3-4 Example 2 |
| Using the Exterior Angle Theorem | 3-4 Example 3 |
|  |  |
| Using SAS & SSS | 4-2 Example 2 |
| Planning a Proof | 4-3 Example 3 |
| Real-World Connection | 4-4 Example 1 |
| Using Algebra in the Isosceles Triangle | 4-5 Example 2 |
| Using Common Parts | 4-7 Example 2 |
|  |  |
| Finding Lengths | 5-1 Example 1 |
| Using Angle and Perpendicular Bisectors | 5-2 Example 1 and 2 |
| Writing the Negation of a Statement | 5-4 Example 1 |
| Writing the Inverse and Contrapositive | 5-4 Example 2 |
| Identifying Contradictions | 5-4 Example 4 |
| Real-World Connection | 5-5 Example 2 |
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| The Pythagorean Theorem | 8-1 Example 2 |
| Using 30-60-90 Triangles | 8-2 Example 4 |
| Using Tangents in Triangles | 8-3 Example 3 |
| Using Sine and Cosine in Triangles | 8-4 Example 1 |
| Using Angles of Elevation & Depression | 8-5 Example 2 |
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| Law of Sines | 14-4 Example 2 |
| Law of Cosines | 14-5 Example 1 |