## Geometry Midterm Cheat Sheet

| VOCAB |  |
| :---: | :---: |
| Segment | Part of a line consisting of two end points and the points between them |
| Ray | Part of a line consisting of an end point and all the points to one side |
| Parallel Lines | Coplaner lines that do not intersect |
| Skew Lines | Non-coplaner lines that do not intersect |
| Parallel Planes | Planes that do not intersect |
| Midpoint | Point on a segment that divides a segment into 2 congruent segments |
| Acute Angle | Greater than 0 and less than 90 |
| Right angle | 90 degree angle |
| Obtuse angle | Angle greater than 90 but less than 180 |
| Congruent angles | Angles with the same measure |
| Vertical angles | Opposite angles formed by intersecting lines |
| Complementary angles | 2 angles that add up to 90 degrees |
| Supplementry angles | 2 angles that add up to 180 degrees |
| Transversal | A line that intersects 2 or more coplaner lines at distinct points |
| Acute Triangle | All angles are acute |
| Right Triangle | One right angle |
| Obtuse Triangle | One obtuse angle |
| Equalateral <br> Triangle | All sides are congruent |
| Isosceles Triangle | 2 congruent sides |
| Scalene Triangle | No congruent sides |
| Circumcenter | The point of concurrency of the perpendicular bisectors of a triangle |
| Altitude | Height of a triangle |
| Centroid | Point of concurrency of the medians; always lies within the triangle |
| Quadrilateral | Polygon with 4 sides |
| Equidistant | Exact same distance |
| Don't kill me if one of these are wrong, I just have what Mrs. Craig taugh us. |  |


| Other things you "need" to know |  |
| :--- | :--- |
| Congruence <br> Statements | ASA, SAS, SSS, AAS, HL |
| Pythagorean <br> Theorem | FOR RIGHT TRIANGLES ONLY |
| Theorem 1 | Parallel lines are always the same distance apart |
| Theorem 2 | If parallel lines cut one transversal into equal parts, it <br> cuts any transversal into equal parts |



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