Geometry Flash Card Extra Credit Activity

Miller, S.
Due: January 6, 2020

Directions: Be creative in making flashcards to help you learn the following definitions, constructions, postulates, theorems, properties and formulae. One side of the card should include the name and the other diagrams or definitions. Printing and pasting will NOT be accepted unless it includes original work or is accompanied by original work. You many use the book to help you, but as much as possible write definitions in your own words and make diagrams to help you learn.

Definitions:
• Point, Line, Plane, Line Segment, Ray
• Transformation, Preimage, Postimage
• Isometric/Rigid
• Conjecture, Postulate/Axiom, Theorem
• Inductive Reasoning, Deductive Reasoning
• Counterexample
• Vector, magnitude, direction
• Translation, Reflection, Rotation
• Line of Symmetry
• Congruency, Similarity
• Parallel, Perpendicular, Skew
• Transversal
• Supplementary, Complimentary
• Converse, Contrapositive, Inverse
• Points of Concurrency: Centroid, Circumcenter, Incenter, Orthocenter
• Parallelogram, Trapezoid, Rectangle, Square, Rhombus, Kite
• Isosceles Triangle, Isosceles Trapezoid

Constructions:
• Angle Bisector
• Perpendicular Bisector
• Copy Angle
• Parallel Lines

Postulates:
• Segment Addition
• Angle Addition
• Parallel Postulate

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Theorems:
- Linear Pair
- Vertical Angles
- CPCTC
- Corresponding Angles & Converse
- Alternate Interior Angles & Converse
- Alternate Exterior Angles & Converse
- Same-Side Interior Angles
- Perpendicular Bisector & Converse
- ASA, SAS, SSS, AAS
- HL Triangle Congruence
- Triangle Sum
- Polygon Angle Sum
- Exterior Angle
- Isosceles Triangle Theorem
- Equilateral Triangle Theorem & Converse
- Triangle Inequality Theorem
- Side-Angle Relationships in Triangles
- Angle-Side Relationships in Triangles
- Triangle Midsegment Theorem

Properties:
- Reflexive
- Symmetric
- Transitive
- Of Parallelograms
- Of Rectangles
- Of Rhombuses
- Of Squares
- Of Kites
- Of Isosceles Trapezoids

Formulas:
- Midpoint
- Distance Between Points
- Slope
- Point-Slope
- Slopes of Parallel Lines
- Slopes of Perpendicular Lines