Virginia Standards of Learning Assessment
Geometry Performance Level Descriptors

Fail/Does Not Meet	Pass/Proficient	Pass/Advanced
A student performing at this level should be able to: • Identify characteristics and properties of parallel and perpendicular lines, triangles, quadrilaterals and other polygons, tessellations, transformations, and completed constructions. • Recognize the relationships between attributes of two dimensional and three dimensional figures and their formulas. • Match a verbal argument to symbolic form or Venn diagram. • Solve numerical/non-algebraic problems given all of the necessary information.	A student performing at this level should be able to: • Use algebraic and/or coordinate methods, including slope, distance and midpoint, to solve, verify, or prove problems involving parallel lines, perpendicular lines, triangles, quadrilaterals, and other polygons. • Solve problems using the relationships between attributes of two dimensional and three dimensional figures and their formulas. • Interpret and/or construct logical arguments and Venn diagrams. • Interpret the initial steps of an incomplete construction. • Demonstrate the basic Euclidean constructions.	A student performing at this level should be able to: • Integrate multiple analytical skills, including algebraic operations, to solve problems involving reasoning, parallel and perpendicular lines, transformations, triangles, quadrilaterals and other polygons, and two dimensional and three dimensional figures. • Analyze multistep proofs and logical arguments using deductive reasoning. • Apply basic Euclidean methods to multistep constructions.