Standards for Mathematical Practices

Student:	Mathematical Topic(s):	Date:
2. Reason abstractly and quantitatively	4. Model with mathematics.	8. Look for and express regularity in repeated reasoning
 Makes sense of quantities and relationships Represents a problem symbolically Considers the units involved Understands and uses properties of operations Comments: 	 Apply reasoning to create a plan or analyze a real world problem Applies formulas/equations Makes assumptions and approximations to make a problem simpler Checks to see if an answer makes sense and changes a model when necessary Comments: 	 Notices repeated calculations and looks for general methods and shortcuts Continually evaluates the reasonableness of their results while attending to details and makes generalizations based on findings Solves problems arising in everyday life Comments:
3. Construct viable arguments and critique the reasoning of others	5. Use appropriate tools strategically.	7. Look for and make use of structure.
 Uses definitions and previously established causes/effects (results) in constructing arguments Makes conjectures and attempts to prove or disprove through examples and counterexamples Communicates and defends their mathematical reasoning using objects, drawings, diagrams, actions Listens or reads the arguments of others Decide if the arguments of others make sense Ask useful questions to clarify or improve the arguments Comments: 	 Identifies relevant external math resources (digital content on a website) and uses them to pose or solve problems Makes sound decisions about the use of specific tools. Examples may include: Calculator Concrete models Digital Technology Pencil/paper Ruler, compass, protractor Uses technological tools to explore and deepen understanding of concepts Comments: 	 Looks for patterns or structure Recognize the significance in concepts and models and can apply strategies for solving related problems Looks for the big picture or overview Comments:
Communicates precisely using clear definitions 6. Attend to precision. States the meaning of symbols, calculates accurately and efficiently Provides carefully formulated explanations Comments: Labels accurately when measuring and graphing		