


<b>Planned Course: Algebra I</b>	<b>Course Number: M304</b>	<b>Department: Math</b>	
<b>Unit: Inequalities (2)</b>	<b>Grade Level: 7 - 12</b>		
<b>Estimated Time: 1 course</b>	<b>Level/Track: Keystone Algebra I</b>	<b>Date Approved: 08/22/2016</b>	
<b>PA Academic Standards</b>	<b>Core Concepts (in question format)</b> • Skills/Knowledge	<b>Activities/Strategies/Study Skills</b> (identify some activities as remedial or enrichment activities)	<b>Assessments</b> (include types and topics)

<p><b>Algebra I Keystone Module 1 – Operations and Linear Equations &amp; Inequalities</b></p> <p><b>Assessment Anchor:</b> Linear Inequalities</p> <p><b>PA Core Standards:</b>  CC.2.1.HS.F.5 Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.  CC.2.2.HS.D.7 Create and graph equations or inequalities to describe numbers or relationships.  CC.2.2.HS.D.9 Use reasoning to solve equations and justify the solution method.  CC.2.2.HS.D.10 Represent, solve, and interpret equations/inequalities and systems of equations/inequalities algebraically and graphically.</p> <p><b>Assessment Anchor:</b> Operations with Real Numbers and Expressions</p> <p><b>PA Core Standards:</b>  CC.2.1.8.E.1 Distinguish between rational and irrational numbers using their properties. CC.2.1.8.E.4 Estimate irrational numbers by comparing them to rational numbers.  CC.2.1.HS.F.1 Apply and extend the properties of exponents to solve problems with rational exponents.  CC.2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real-world or mathematical problems</p>	<p>▶ How do you write, solve, and/or graph linear inequalities using various methods?</p> <ul style="list-style-type: none"> <li>• Compare and/or order real numbers (including square roots).</li> <li>• 2-1 Identify solutions of inequalities in one variable.</li> <li>• 2-1 Write and graph inequalities in one variable.</li> <li>• 2-2 Solve one-step inequalities by using addition.</li> <li>• 2-2 Solve one-step inequalities by using subtraction.</li> <li>• 2-3 Solve one-step inequalities by using multiplication.</li> <li>• 2-3 Solve one-step inequalities by using division.</li> <li>• 2-4 Solve inequalities that contain more than one operation.</li> <li>• 2-5 Solve inequalities that contain variable terms on both sides.</li> <li>• 2-6 Solve compound inequalities in one variable.</li> <li>• 2-6 Graph solution sets of compound inequalities in one variable.</li> <li>• 2-7 Solve inequalities in one variable involving absolute-value expressions.</li> </ul>	<ul style="list-style-type: none"> <li>▶ Warm up exercise</li> <li>▶ Are You Ready?</li> <li>▶ Intervention and Enrichment</li> <li>▶ Exercises in book</li> <li>▶ Keystone preparation resources (Study Island, Finish Line, USA Test Prep, Item Sampler, etc.)</li> <li>▶ Online tutorial video</li> <li>▶ MDC lessons</li> <li>▶ Interleave study guide</li> <li>▶ Spaced Learning Over Time (SLOT) review</li> </ul>	<ul style="list-style-type: none"> <li>▶ Quizzes (teacher created)</li> <li>▶ Summative chapter tests (common)</li> <li>▶ Quarterly assessments (common)</li> <li>▶ Graded assignments/projects</li> <li>▶ Formative assessments (homework, classwork, questioning, exit tickets, etc.)</li> </ul>
--	--	--	--

<b>Planned Course: Algebra I</b>		<b>Course Number: M304</b>		<b>Department: Math</b>	
<b>Unit: Inequalities (2)</b>		<b>Grade Level: 7 - 12</b>			
<b>Estimated Time: 1 course</b>		<b>Level/Track: Keystone Algebra I</b>		<b>Date Approved: 08/22/2016</b>	
<b>PA Academic Standards</b>	 <b>Core Concepts (in question format)</b> <ul style="list-style-type: none"> <li>• Skills/Knowledge</li> </ul>	<b>Activities/Strategies/Study Skills</b> (identify some activities as remedial or enrichment activities)	<b>Assessments</b> (include types and topics)		