

Planned Course: Foundations of Alg		Course Number: M303	Department: Mathematics
Unit: Solving Equations		Grade Level: 7-12	Date Approved: 8/1/2013
Estimated Time: 33 days		Level/Track: CT	
PA Academic Standards	Core Concepts (in question format) • Skills/Knowledge	Activities/Strategies/Study Skills (identify some activities as remedial or enrichment activities)	Assessments (include types and topics)

<p>A1.1.2.1.1 Write, solve, and/or apply a linear equation (including problem situations).</p> <p>A1.1.2.1.2 Use and/or identify an algebraic property to justify any step in an equation-solving process. Note: Linear equations only.</p>	<p>► Can students use relationships to represent proportions?</p> <p>► Can students solve one-step, two-step, and multi-step equations using inverse operations?</p> <p>► Can students solve equations with variables on both sides using the properties of equality and inverse operations?</p> <p>► Can students rewrite and use literal equations and formulas?</p> <p>► Can students set up and solve proportions?</p> <p>► Can students use proportions to find missing sides of similar figures?</p> <p>► Can students solve problems using percent, including percent of change?</p>	<ul style="list-style-type: none"> • Warm Ups • Notes • Computer Interactive • Class Worksheets • Textbook Problems • Think-Pair-Share Activities • Videos • Guided Notes <p>Remediation:</p> <ul style="list-style-type: none"> • Study Island Topic: Linear Equations <p>Enrichment:</p> <ul style="list-style-type: none"> • Students will find examples of how equations can help solve word problems. 	<ul style="list-style-type: none"> ▪ Quizzes ▪ Tests ▪ Homework ▪ Graded Assignments ▪ Classroom Participation ▪ Questioning ▪ Observation
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