

**Objective #1: Mathematics**

**The number of AMSU students achieving a grade of 70% or less on midterm and NYS Regents Exams in Integrated Algebra, Geometry and Algebra II/Trigonometry will decrease 20 percentage points as measured by:**

- a) External Assessment: NYS Integrated Algebra Regents Exam, NYS Geometry Regents Exam and NYS Algebra II/Trigonometry Regents Exam**
- b) Internal Assessment: AMSU midterm examinations in Integrated Algebra, Geometry and Algebra II/Trigonometry**

**Action #1: Improving skills necessary for success in high school  
mathematics courses.**

<u>Action Step</u>	<u>Timeline</u>	<u>Responsibility</u>	<u>Resources</u>	<u>Obstacles</u>	<u>Completion Date</u>	<u>Periodic Assessment</u>
Summer School preparatory courses for Integrated Algebra, Geometry, and Algebra II/Trigonometry.	June 2012	Administration	money	Lack of funds Willing participation External teachers		Monthly Department Meetings
After-School Remediation for special needs in mathematics	Jan 2012	Administration	money	Lack of funds Willing participation External teachers		Monthly Department Meetings

<u>Action Step</u>	<u>Timeline</u>	<u>Responsibility</u>	<u>Resources</u>	<u>Obstacles</u>	<u>Completion Date</u>	<u>Periodic Assessment</u>
<b>Instructional Strategy:</b>  Revisiting past skills in lessons and homework  Parallel arithmetic examples with algebraic examples  Include technology (TI-calculator and Smart Board)  Incorporate Geometer's Sketchpad	June 2010	Instructor	N/A	Diverse Skill Levels	June 2010 and ongoing	Monthly Dept Meetings
	June 2010	Instructor			June 2010 and ongoing	Monthly Dept Meetings
	June 2010	Instructor			June 2010 and ongoing	Monthly Dept Meetings
	June 2012	Instructor				Monthly Dept Meetings

**Action #2: Instilling a better work ethic and addressing  
poor attitudes/behaviors.**

<u>Action Step</u>	<u>Timeline</u>	<u>Responsibility</u>	<u>Resources</u>	<u>Obstacles</u>	<u>Completion Date</u>	<u>Periodic Assessment</u>
Rewarding improved and outstanding academic performance	Began Sept. 2010	Math Dept.	Departmentally-generated award certificates	N/A	9/2010 and Ongoing	Monthly Dept meetings
Re-establishing an 'Honors Assembly'	School Year 2011-2012	Administration	Quarterly grades and teacher recommendations	Scheduling	Sept 2011	
<u>Action Step</u>	<u>Timeline</u>	<u>Responsibility</u>	<u>Resources</u>	<u>Obstacles</u>	<u>Completion Date</u>	<u>Periodic Assessment</u>

<p><b>Instructional Strategy:</b></p> <p>Students must clearly understand what is expected of them to be successful. Homework must be assigned and checked daily. Parents will be notified of any transgressions.</p>	2010	Instructor/Parent(s)	N/A	<p>Apathy of students</p> <p>Lack of parental participation</p>	9/2010 and Ongoing	Monthly Dept meetings

**Action #3: Addressing Poor Retention.**

<u>Action Step</u>	<u>Timeline</u>	<u>Responsibility</u>	<u>Resources</u>	<u>Obstacles</u>	<u>Completion Date</u>	<u>Periodic Assessment</u>
<b>Instructional Strategy:</b>  Varying strategies to address students' deficits	June 2010	Instructor	Internet PD Workshops	Time constraints Lack of appropriate teacher training	June 2010 and ongoing	Monthly dept meetings
Refer 'at-risk' students to Guidance Dept.	June 2010	Instructor/Guidance	Observation of student behavior	Parental consent	June 2010 and ongoing	Monthly dept meetings