

**2011-2012 AMC 8/10/12 (American Mathematics Contest), AIME Prep**  
**Offered by the expert in Problem Solving and Competitive math training**

# MathEdge

7250 Bark Lane, San Jose CA 95129, (408) 725-2680, [www.mathedge.org](http://www.mathedge.org)

**16 Former MathEdge Students Were Named in the 58<sup>th</sup> Annual Results and Awards for AMC 8/10/12 Perfect Scorer, AIME , USAMO Qualifiers**

**Purpose:** Prepare for American Mathematics Competitions (AMC 8/10/12)

**AMC8 Date:** 11/15/11      **AMC10/12A Date:** 2/7/12 (Tue)      **AMC10/12B Date:** 2/22/12 (Wed)

**AIME I Date:** 3/15/12 (Thu)      **AIME II Date:** 3/28/12 (Wed)

**AMC10/12 prep:** Sundays 10-12noon

**Schedule:** 20 weeks 9/11/11 –2/12/12

(Excludes: Thanksgiving and Christmas wks)

**Homework:** Prior AMC10/12 contests (\$50)

**Syllabus and Schedule (subject to change)**

**AMC 8 prep:** Sundays 1-3pm

**Schedule:** 10 weeks 9/11/11–11/13/11

**HW:** Prior AMC8 contests (\$30)

S1	Date	AMC10/12 Content	AMC10/12 HW Due	AMC8 Content	AMC8 HW Due
1.	9/11/11	Orientation Sample AMC10&12 problems		Orientation, AMC 8 Mock Test 1	
2.	9/18/11	Exponent	2000AMC10	Average	2000AMC8
3.	9/25/11	Number Bases	2001AMC10	Pythagorean	2001AMC8
4.	10/2/11	Algebra	2002AMC10-A	Rectangles	2002AMC8
5.	10/9/11	Functions	2003AMC10-A	Probability	2003AMC8
6.	10/16/11	AMC 10 Mock Test	2004AMC10-A	Probability-Statistics	2004AMC8
7.	10/23/11	Probability	2005AMC10-A	Counting	2005AMC8
8.	10/30/11	Counting	2006AMC10-A	Distribution	2006AMC8
9.	11/6/11	Modular Arithmetic	2007AMC10-A	Sequences	2007AMC8
10.	11/13/11	Special Operations	2008AMC10-A	AMC 8 Mock Test 2	2008AMC8
S2	Date	Content	HW Due		
1.	11/20/11	AMC 10 Mock Test	2009AMC10-A		
2.	12/4/11	Logarithms	2002AMC10-B		
3.	12/11/11	AMC 10 Mock Test	2003AMC10- B		
4.	12/18/11	Complex Numbers	2004AMC10- B		
5.	1/8/12	AMC 10/12 Mock Test	2005AMC10- B		
6.	1/15/12	Triangle Geometry	2006AMC10- B		
7.	1/22/12	Circle Geometry	2007AMC10- B		
8.	1/29/12	AMC 10/12 Mock Test	2008AMC10- B		
9.	2/5/12	Pigeonhole Principle	2000AMC12		
10.	2/12/12	AMC 10/12 Mock Test	2001AMC12		

**HW:** Prior AIME contests (\$20)

AIMEPrep	Date	Content	HW Assignment
1.	2/26/12	2009 AIME1	2001 AIME1
2.	3/4/12	2008 AIME1	2008 AIME2
3.	3/11/12	2007 AIME1	2007 AIME2
4.	3/18/12	2006 AIME1	2006 AIME2