



2011-2012 MathEdge+ CompG+ AMC8 Content

Purpose: Prepare for AMC8 contest and Teach Competition Geometry

Who: Grades 8+

Duration: 2hrs

Weekly homework: Introduction to Geometry” by AofPS (\$65 for the set) + Prior AMC8 contests (\$30)

1st	Sun	Content	HW Assignment
1.	9/11/11	Orientation, AMC 8 Mock Test 1	
2.	9/18/11	Average	2000AMC8
3.	9/25/11	Pythagorean	2001AMC8
4.	10/2/11	Rectangles	2002AMC8
5.	10/9/11	Probability	2003AMC8
6.	10/16/11	Probability-Statistics	2004AMC8
7.	10/23/11	Counting	2005AMC8
8.	10/30/11	Distribution	2006AMC8
9.	11/6/11	Sequences	2007AMC8
10.	11/13/11	AMC 8 Mock Test 2	2008AMC8
11.	11/20/11	What’s in a Name?, Angles	Chapter 1
	11/27/11	NO class	NO class
12.	12/4/11	Congruent Triangles – SSS, SAS	Chapter 2
13.	12/11/11	Congruent Triangles – ASA, AAS	Chapter 3
14.	12/18/11	Perimeter and Area	Chapter 3
	12/25/11	NO class	NO class
	1/1/12	NO class	NO class
15.	1/8/12	Contest#1, AMC 8 Mock Contest#1	Chapter 4
16.	1/15/12	Similar Triangles and AA, SAS, SSS Similarity	Chapter 5
17.	1/22/12	Angles and Parallels Construction	Chapter 5, 6
2 nd	Sun	Content	HW Assignment
1.	1/29/12	Right Triangles: Pythagorean Theorem and Triples	Chapter 6
2.	2/5/12	2 Special Right Triangles and Heron’s formula	Chapter 6
3.	2/12/12	Special Parts of a Triangle: Perpendicular and angle Bisectors	Chapter 7
	2/19/12	NO class	NO class
4.	2/26/12	Special Parts of a Triangle: Medians and Altitudes	Chapter 7
5.	3/4/12	Perpendicular Lines and Bisectors Construction	Chapter 6, 7
6.	3/11/12	Quadrilateral Basics – Trapezoids and Parallelograms	Chapter 8
7.	3/18/12	Quadrilateral Basics – Square and Rectangles, If and Only if	Chapter 8
8.	3/25/12	Geometric Inequalities: sides and angles of triangle	Chapter 10
9.	4/1/12	The triangle Inequalities	Chapter 10
10.	4/8/12	Circles: Arc measure, length, and circumference and area	Chapter 11
11.	4/15/12	Circles and angles: Inscribed angles, Angles inside and outside circles	Chapter 12
	4/22/12	NO class	NO class
12.	4/29/12	Circles and angles: Tangents and its construction	Chapter 12
13.	5/6/12	Power of a point	Chapter 13
14.	5/13/12	3D Geometry	Chapter 14
15.	5/20/12	Curved Surfaces: Cylinders, Cones, Spheres	Chapter 16
16.	5/27/12	Analytic Geometry: Line and Circles	Chapter 17
17.	6/3/12	Games and Party	



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