

Purpose: Prepare for MathCounts & AMC 10 Contests

Weekly homework: "Introduction to Geometry" by ArtOfPS

1st Sem	Sat	Content	HW Assignment
1.	9/8/18	Orientation and Assessment	
2.	9/15/18	What's in a Name?, Angles	Chapter 1
3.	9/22/18	Congruent Triangles – SSS, SAS	Chapter 2
4.	9/29/18	Congruent Triangles – ASA, AAS	Chapter 3
5.	10/6/18	Perimeter and Area	Chapter 3
6.	10/13/18	Similar Triangles and AA, SAS, SSS Similarity	Chapter 5
7.	10/20/18	Angles and Parallels Construction	Chapter 5, 6
8.	10/27/18	Contest#1	
9.	11/3/18	Right Triangles: Pythagorean Theorem and Triples	Chapter 6
10.	11/10/18	2 Special Right Triangles and Heron's formula	Chapter 6
11.	11/17/18	Special Parts of a Triangle: Perpendicular and angle Bisectors	Chapter 7
Tkgiving	11/24/18	NO class	NO class
12.	12/1/18	Special Parts of a Triangle: Medians and Altitudes	Chapter 7
13.	12/8/18	Contest#2	
14.	12/15/18	Perpendicular Lines and Bisectors Construction	Chapter 6, 7
15.	12/22/18	NO class	NO class
Xmas	12/29/18	NO class	NO class
New Yr	1/5/19	Quadrilateral Basics – Trapezoids and Parallelograms	Chapter 8
16.	1/12/19	Contest#3	Chapter 8
17.	1/19/19	Quadrilateral Basics – Square and Rectangles, If and Only if	Chapter 8
2 nd Sem	Sat	Content	
1.	1/26/19	Polygons	Chapter 9
2.	2/2/19	Geometric Inequalities: sides and angles of triangle	Chapter 10
3.	2/9/19	The triangle Inequalities	Chapter 10
Wntr Brk	2/16/19	NO class	NO class
4.	2/23/19	Circles: Arc measure, length, and circumference and area	Chapter 11
5.	3/2/19	Contest#4	
6.	3/9/19	Circles and angles: Inscribed angles, Angles inside and outside circles	Chapter 12
7.	3/16/19	Circles and angles: Tangents and its construction	Chapter 12
8.	3/23/19	Power of a point	Chapter 13
9.	3/29/19	3D Geometry	Chapter 14
10.	4/6/19	NO class	NO class
Sp Brk	4/13/19	Contest#5	Chapter 15
11.	4/20/19	Curved Surfaces: Cylinders, Cones, Spheres	Chapter 16
12.	4/27/19	Translations and rotations	
13.	5/4/19	Reflections and Dilation	Chapter 16
14.	5/11/19	Analytic Geometry: Line and Circles	Chapter 17
15.	5/18/19	Proof of Analytic Geometry	Chapter 17
16.	5/25/19	Distance between a pt and a line, Advanced Analytic Geometry problems	Chapter 17
17.	6/1/19	Games and Party	

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