

**Weekly homework: "Introduction to Geometry" by ArtOfPS**      **Course schedule (subject to change)**

1st Sem	Sat	Content	HW Assignment
1.	9/9/17	Orientation and Assessment	
2.	9/16/17	What's in a Name?, Angles	Chapter 1
3.	9/23/17	Congruent Triangles – SSS, SAS	Chapter 2
4.	9/30/17	Congruent Triangles – ASA, AAS	Chapter 3
5.	10/7/17	Perimeter and Area	Chapter 3
6.	10/14/17	Similar Triangles and AA, SAS, SSS Similarity	Chapter 5
7.	10/21/17	Angles and Parallels Construction	Chapter 5, 6
8.	10/28/17	Contest#1	
9.	11/4/17	Right Triangles: Pythagorean Theorem and Triples	Chapter 6
10.	11/11/17	2 Special Right Triangles and Heron's formula	Chapter 6
11.	11/18/17	Special Parts of a Triangle: Perpendicular and angle Bisectors	Chapter 7
Tkgiv	11/25/17	NO class	NO class
12.	12/2/17	Special Parts of a Triangle: Medians and Altitudes	Chapter 7
13.	12/9/17	Contest#2	
14.	12/16/17	Perpendicular Lines and Bisectors Construction	Chapter 6, 7
Xmas	12/23/17	NO class	NO class
New Yr	12/30/17	NO class	NO class
15.	1/6/18	Quadrilateral Basics – Trapezoids and Parallelograms	Chapter 8
16.	1/13/18	Contest#3	Chapter 8
17.	1/20/18	Quadrilateral Basics – Square and Rectangles, If and Only if	Chapter 8
2 <sup>nd</sup> Sem	Sat	Content	HW Assignment
1.	1/27/18	Polygons	Chapter 9
2.	2/3/18	Geometric Inequalities: sides and angles of triangle	Chapter 10
3.	2/10/18	The triangle Inequalities	Chapter 10
Wntr Brk	2/17/18	NO class	NO class
4.	2/24/18	Circles: Arc measure, length, and circumference and area	Chapter 11
5.	3/3/18	Contest#4	
6.	3/10/18	Circles and angles: Inscribed angles, Angles inside and outside circles	Chapter 12
7.	3/17/18	Circles and angles: Tangents and its construction	Chapter 12
8.	3/24/18	Power of a point	Chapter 13
9.	3/31/18	3D Geometry	Chapter 14
10.	4/7/18	Contest#5	
Sp Brk	4/14/18	NO class	NO class
11.	4/21/18	Curved Surfaces: Cylinders, Cones, Spheres	Chapter 15
12.	4/28/18	Translations and rotations	Chapter 16
13.	5/5/18	Reflections and Dilation	Chapter 16
14.	5/12/18	Analytic Geometry: Line and Circles	Chapter 17
15.	5/19/18	Proof of Analytic Geometry	Chapter 17
16.	5/26/18	Distance between a pt and a line, Advanced Analytic Geometry problems	Chapter 17
17.	6/2/18	Games and Party	