

Weekly homework: "Art of Problem Solving vol. 1"

Course schedule (subject to change)

1st Sem	Sat	Content	HW Assignment
1.	9/10/16	Assessment, Proportions, Percent	Ch 4# 56-70, # 71-86
2.	9/17/16	What numbers really are – repeating digits	Ch 8#162-166 plus supplement
3.	9/24/16	Special factorization & Clever manipulations	Ch 7# 138-149, Ch 7# 150-161
4.	10/1/16	Divisibility, The Last Digit, Prime factorization, LCM, GCF	Ch5# plus supplement
5.	10/8/16	Number Bases & Modular Arithmetic	Ch5# plus supplement
6.	10/15/16	Contest#1	
7.	10/22/16	Linear equations – one equation, one variable	Ch 3# 27-42
8.	10/29/16	Linear equations – two equations, two variables	Ch 3# 43 - 55
9.	11/5/16	Exponents	Ch 1# 3, 4, 5, 6, 7, 9, 10, 13, 14
10.	11/12/16	Logarithms	Ch 1# 1, 2, 8, 11, 12, 15, 16
11.	11/19/16	Contest#2	
Tkivin	11/26/16	NO class	NO class
12.	12/3/16	Complex numbers	Ch 2# 17 - 26
13.	12/10/16	Factoring quadratics	Ch6# plus supplement
14.	12/17/16	Quadratic formula	Ch6# plus supplement
Xmas	12/24/16	NO class	NO class
New Yr	12/31/16	NO class	NO class
15.	1/7/17	Pythagorean Theorem	Ch11#
16.	1/14/17	Contest#3	
17.	1/21/17	Introduction to Circles, Triangles and area	Ch9, Ch15#
2nd Sem	Sat	Content	HW Assignment
1.	1/28/17	Angles and Angle Chasing	Ch10, Ch14#
2.	2/4/17	Right, Congruent, and Similar Triangles	Ch11#
3.	2/11/17	Introduction to Trigonometry	Ch11#
Wntr Brk	2/18/17	NO class	NO class
4.	2/25/17	Quadrilaterals – rectangles and squares Trapezoids, Parallelograms, Rhombus	Ch12
5.	3/4/17	Contest#4	Ch20#
6.	3/11/17	Polygons & Regular Polygons	Ch13
7.	3/18/17	The Power of Coordinates	Ch16 #278 – 293
8.	3/25/17	Power of a Point	Ch17 # 295-302
9.	4/1/17	3D geometry – Cubes, Prisms and Cylinders	Ch18 #
10.	4/8/17	Contest#5	Ch20#
Sp Brk	4/15/17	NO class	NO class
11.	4/22/17	Pyramids, Spheres, and Cones	Ch18 #
12.	4/29/17	Operations and Relations	Ch23#
13.	5/6/17	Sequences and Series	Ch24#
14.	5/13/17	Permutation, Combination and Binomial Theorem	Ch25#
15.	5/20/17	Statistics and Probability	Ch26#
16.	5/27/17	Sets and Logic	Ch27#
17.	6/3/17	Games and Party	