

Math Team Meet 1 Packet

Meet	Event	Event Topic	#	Event Subtopic	AoPS V1	AoPS V2
1	A	Pre-algebra Topics	1	Fractions to add and express as the quotient of two relatively prime integers	5.6,5.7,8.1	
1	A	Pre-algebra Topics	2	Complex fractions and continued fractions		18
1	A	Pre-algebra Topics	3	Decimals, repeating decimals	8.1	
1	A	Pre-algebra Topics	4	Percentage, interest, and discount	4.4	
1	A	Pre-algebra Topics	5	Least common multiple, greatest common divisor	5.7	
1	A	Pre-algebra Topics	6	Number bases; change of base	5.2	
1	B	Angles and Special Triangles	1	The Theorem of Pythagoras; familiar Pythagorean triples	11.4	
1	B	Angles and Special Triangles	2	Complementary, supplementary, and vertical angles	10.2	
1	B	Angles and Special Triangles	3	Interior and exterior angles for triangles and polygons	13.2	
1	B	Angles and Special Triangles	4	Angles formed by transversals cutting parallel lines	10.3	
1	B	Angles and Special Triangles	5	Properties of isosceles and equilateral triangles	11.1,11.8	
1	B	Angles and Special Triangles	6	Relationships in 30°-60°-90° and 45° -45° -90° triangles	11.7	
1	C	Elementary Trigonometry	1	Definitions and solution of right triangles	11.1,11.2,11.4,11.5	
1	C	Elementary Trigonometry	2	Elementary identities		2.4,2.5
1	C	Elementary Trigonometry	3	Radian measure and graphs of elementary functions		2.1,2.2
1	C	Elementary Trigonometry	4	Trigonometric functions of multiples of $\pi/6$, $\pi/4$, $\pi/3$, $\pi/2$	11.7	
1	D	Roots of Quadratic and Polynomial Equations	1	Solution of quadratic equations by factoring, by completing the square, by formula		6.2,6.3
1	D	Roots of Quadratic and Polynomial Equations	2	Complex roots of quadratic equations; the discriminant and the character of the roots		6.3
1	D	Roots of Quadratic and Polynomial Equations	3	Relations between roots and coefficients		6.4
1	D	Roots of Quadratic and Polynomial Equations	4	Synthetic Division		6.2
1	D	Roots of Quadratic and Polynomial Equations	5	Function notation	21	7

Summary

1	-	All		All	4,5,8,10,11,13,21	2,6,7,18
1	A	Pre-algebra Topics		All	4,5,8	18
1	B	Angles and Special Triangles		All	10,11,13	-
1	C	Elementary Trigonometry		All	11	2
1	D	Roots of Quadratic and Polynomial Equations		All	21	6,7