

Beginner Problem Solvers 1      Novice Problem Solvers 2      Intermediate Problem Solvers 3      Advanced Problem Solvers 4      Academy



**Topics**

Level 1      Level 2      Level 3      Summer Program

<b>Algebra</b>	<ul style="list-style-type: none"> <li>• Math Leads for Mathletes 2</li> <li>• 105 Algebra Problems*</li> </ul>	<ul style="list-style-type: none"> <li>• 105 Algebra Problems*</li> </ul>	<ul style="list-style-type: none"> <li>• 108 Algebra Problems**</li> <li>• 109 Inequalities*</li> <li>• 111 Problems in Algebra &amp; Number Theory</li> <li>• 114 Exponent and Logarithm Problems*</li> <li>• 117 Polynomial Problems*</li> </ul>	<ul style="list-style-type: none"> <li>• 114 Exponent and Logarithm Problems*</li> <li>• 116 Algebraic Inequalities**</li> <li>• Topics in Functional Equations</li> <li>• 117 Polynomial Problems*</li> <li>• 118 Inequalities for Mathematics Competitions</li> </ul>	<ul style="list-style-type: none"> <li>• Topics in Functional Equations</li> <li>• 118 Inequalities for Mathematics Competitions</li> </ul>
<b>Geometry/ Trigonometry</b>	<ul style="list-style-type: none"> <li>• Math Leads for Mathletes 2</li> </ul>	<ul style="list-style-type: none"> <li>• 106 Geometry Problems *</li> </ul>	<ul style="list-style-type: none"> <li>• 107 Geometry Problems**</li> </ul>	<ul style="list-style-type: none"> <li>• 110 Geometry Problems for the IMO</li> <li>• 113 Geometric Inequalities*</li> <li>• 115 Trigonometry Problems*</li> <li>• Lemmas in Olympiad Geometry</li> <li>• Geometry of Remarkable Elements</li> </ul>	<ul style="list-style-type: none"> <li>• 110 Geometry Problems for the IMO</li> <li>• 113 Geometric Inequalities*</li> <li>• 115 Trigonometry Problems*</li> <li>• Lemmas in Olympiad Geometry</li> <li>• Geometry of Remarkable Elements</li> <li>• Topics in Geometric Inequalities</li> </ul>
<b>Number Theory</b>	<ul style="list-style-type: none"> <li>• Math Leads for Mathletes 2</li> </ul>	<ul style="list-style-type: none"> <li>• 111 Problems in Algebra &amp; Number Theory</li> </ul>	<ul style="list-style-type: none"> <li>• 111 Problems in Algebra &amp; Number Theory</li> </ul>	<ul style="list-style-type: none"> <li>• Number Theory: Concepts and Problems</li> </ul>	<ul style="list-style-type: none"> <li>• Number Theory: Concepts and Problems</li> </ul>
<b>Combinatorics</b>	<ul style="list-style-type: none"> <li>• Math Leads for Mathletes 1</li> <li>• Math Leads for Mathletes 2</li> </ul>		<ul style="list-style-type: none"> <li>• 112 Combinatorial Problems*</li> </ul>	<ul style="list-style-type: none"> <li>• 112 Combinatorial Problems*</li> </ul>	
<b>Mixed Topics</b>	<ul style="list-style-type: none"> <li>• Purple Comet Math Meet</li> </ul>	<ul style="list-style-type: none"> <li>• Balkan Math Olympiads</li> <li>• Cuban Math Olympiads</li> </ul>	<ul style="list-style-type: none"> <li>• Sums &amp; Products</li> <li>• Pristine Landscapes</li> <li>• Mathematical Reflections Series</li> </ul>	<ul style="list-style-type: none"> <li>• Sums &amp; Products</li> <li>• Mathematical Induction</li> <li>• Problems from the Book</li> <li>• Straight from the Book</li> <li>• Pristine Landscapes</li> <li>• Mathematical Reflections Series</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical Reflections Series</li> <li>• Problems from the Book</li> <li>• Straight from the Book</li> </ul>

Beginners      MATHCOUNTS to High AMC8 and Low AMC10      AMC 10/12 to AIME      High AMC 12 to Mid AIME      High AIME to USA(J)MO      IMO and Putnam

\* From the AwesomeMath Summer Program  
 \*\* From the AwesomeMath Year-Round Program

**XYZ Press Book Guide:** Find the resource for your level to reach new heights in competitions and beyond!