

## **Advance Problem Solving Program**

Beyond standard techniques — demanding deeper analysis and multi-concept thinking.

### **Who Is It Meant For**

- Class 12 students, droppers, or late Class 11 students who have covered Algebra, Calculus and Coordinate Geometry
- Preparing for JEE Advanced, ISI, CMI or Olympiad primer level mathematics
- Can solve standard problems but struggle when problems are, multi-step, or involve multiple topics together
- Struggle with complex constraints and conditions in a problem

### **Program Structure**

- 2 months · 3 sessions per week · 90 minutes per session via Zoom
- Online, interactive sessions in batches of 10 students of roughly similar level
- After every session, 5 diagnostic problems given for HW -- tough, testing application of specific problem solving tools taught in that session
- Submitted work manually reviewed for corrections on approach and thinking sent via Telegram
- 180 unique advanced problems given at end of program to test real improvement
- Doubts on any problem resolved via Telegram during and after the program

### **What You Will Learn**

- Plan and execute multi-step solutions across problems involving multiple topics
- Convert complex constraints and conditions given in problem into simplified, workable problem forms
- Apply schemas — symmetry, invariants, transformations at execution level on hard problems
- Develop the ability to monitor your own thinking mid-solution and course-correct before going wrong

*All methods and problem-solving frameworks are taught and practised through JEE Advanced, and Olympiad primer level problems across Algebra, Calculus and Coordinate Geometry.*

### **Program fee**

Rs. 20,000/-

*Admission based on evaluation of submitted problem sets.*