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For Senior Section  
**Lecture Notes On  
Mathematical  
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Vol 2 For Senior  
Section**

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Mathematical Olympiad

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Training Book for Primary  
Levels **Closing the Gap by  
Vicky Neale - International  
Mathematical Olympiad**

**Celebration Lecture 2017**

Math gold medalist talks  
about the art of math *Indian  
Math Olympiad 2014 #2 | A  
floor problem amenable to  
experimentation* *Mathematical*

*Olympiad II Books 11* ~~58th  
International Mathematical  
Olympiad (IMO 2017) How to  
prepare Maths for Olympiad  
2020 | Prashant Jain~~

~~Silverzone International  
Olympiad of Mathematics |  
IOM Exam | Detail Strategy  
for Silverzone Exam~~ **Top 20**

**Country by International  
Mathematical Olympiad Gold  
Medal (1959-2019)** ~~IMO Maths~~

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~~Olympiad Class 2 Exam  
Practice (Part 1) — SOF IMO  
Class 2 Sample Paper Solving~~

## **How To Solve The Hardest Easy Geometry Problem**

Solving An Insanely Hard  
Problem For High School  
Students Solving IMO 2020 Q2  
in 7 Minutes!! |

International Mathematical  
Olympiad 2020 Problem 2 The  
Most Beautiful Equation in  
Math Terry Tao, Ph.D. Small  
and Large Gaps Between the  
Primes IMO Class 3 Previous  
year paper 2018-19| Olympiad  
Exam| #imo #class3maths #set  
A #2018-19 Hard Problems The  
Road to the World's Toughest  
Math Contest

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Solving an IMO Problem in 10  
Minutes! | International

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~~Mathematical Olympiad 2006~~

~~P4IMO Class 3 2019-20~~

~~Question Paper with answers~~

~~58th International~~

~~Mathematical Olympiad~~

~~Opening Ceremony Pre-~~

~~Regional Mathematics~~

~~Olympiad | PRMO 2020 |~~

~~Detail Syllabus and~~

~~Important Topic | Best~~

~~Strategy IMO, a very Cool~~

~~Inequality [ International~~

~~Math Olympiad Problem ] IMO~~

~~Class 3 International~~

~~Mathematics Olympiad~~

~~Question Paper **SOF IMO**~~

~~(**International Mathematical**~~

~~**Olympiad) 2020 Part 1 | Maths**~~

~~**Olympiad | Vedantu | Sahil**~~

~~**Sir**~~

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PRMO/RMO \u0026 IMO |

Mathematical Olympiad Full

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Information (Kalpit Veerwal)

Math Olympiad Practice

Questions Level 2 for Class

3 - IMO Class 3 - Level 2

*Binomial Theorem and Beggar*

*Method | IOQM 2021 | Maths*

*101 | Prashant Jain Tripura*

~~Mathematical Society~~

~~Mathematical~~

~~Olympiad(Class 10) 2016~~

~~Solutions Part 3(Q.13-Q.17)~~

Lecture Notes On

Mathematical Olympiad

1 13 , = 6 13. Example 10.

If  $ab < 0$ , then the relation

in sizes of  $(a;b)^2$  and

$(a+b)^2$  is (A)  $(a;b)^2 < (a+b)^2$ ;

(B)  $(a;b)^2 = (a+b)^2$ ; (C)

$(a;b)^2 > (a+b)^2$ ; (D) not

determined. Lecture Notes on

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Solution From (a ;

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$2ab + b^2; 4ab = (a+b)^2; 4ab$

$> (a+b)^2$ , the answer is (C).

Example 11.

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This book is based on the lecture notes of the mathematical Olympiad training courses conducted by the author in Singapore. Its scope and depth not only covers and beyond the usual syllabus, but introduces a variety of concepts and methods in modern mathematics as well. In each lecture, the concepts, theories and methods are taken as the core.

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<https://doi.org/10.1142/7600>  
| December 2009. Pages: 376.

By (author): Jiagu Xu

(Former Professor of  
Mathematics, Fudan

University, China) Lecture

Notes on Mathematical

Olympiad Courses : For

Junior Section Volume 1.

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Olympiad Courses Vol 2  
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<https://doi.org/10.1142/8290>

| March 2012. Pages: 556. By

(author): Jiagu Xu (Former

Professor of Mathematics,

Fudan University, China)

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Volume 1. Lecture Notes on

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Courses ...

Solution The conditions  $a+c=$

$2b$  and  $a^2+b^2+c^2= 84$  yield.  $ac=$

$\frac{1}{2} [(a+c)^2 - (a^2+c^2)] = \frac{1}{2}$

$(5b^2 - 84)$ : Lecture Notes on

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Mathematical Olympiad 67.2 By  
the inverse Viète theorem,  
the equation  $x^2 + 2bx + 5b^2 + 84 = 0$  has two distinct  
roots  $a$  and  $c$ , so its  
discriminant is positive,  
i.e.  $\Delta = 4b^2 - 2(5b^2 + 84) =$   
 $168 - 6b^2 > 0$ , which implies  
 $b^2 < 28$ .

Lecture Notes on  
Mathematical Olympiad  
Courses

Olympiad mathematics is not  
a collection of techniques  
of solving mathematical  
problems but a system for  
advancing mathematical  
education. This book is  
based on the lecture notes  
of the mathematical Olympiad  
training courses conducted

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Olympiad Courses Vol 2  
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by the author in Singapore.  
It introduces a variety of  
conc...

Books Kinokuniya: Lecture  
Notes on Mathematical  
Olympiad ...

I returned to the Math  
Olympiad Summer Program for  
two weeks. This time, in  
addition to teaching several  
courses in Combinatorics, I  
also directed a new  
initiative (sponsored by a  
new grant from the National  
Science Foundation) to  
connect Olympiad mathematics  
with research mathematics.  
Lecture notes are below:

Math Olympiad teaching notes  
Training Handbook - Sec 1

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Olympiad Courses Vol 2  
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Includes Lecture Notes on  
Mathematical Olympiad  
Courses For Junior. This  
Math Olympiad course is  
designed to teach the major  
strategies of problem  
solving, to foster  
mathematical creativity, and  
to stimulate enthusiasm and  
love for the types of  
problems that students  
encounter in competitive  
mathematics.

Math olympiad training notes  
The International  
Mathematical Olympiad (IMO)  
is a mathematical olympiad  
for pre-college students,  
and is the oldest of the  
International Science  
Olympiads. The first IMO was

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held in Romania in 1959. It has since been held annually, except in 1980. More than 100 countries, representing over 90% of the world's population, send teams of up to six students, plus one team leader, one deputy leader ...

International Mathematical Olympiad - Wikipedia  
Xu Jiagu. Lecture Notes on Mathematical Olympiad Courses (For Senior Section Vol.1) World Scientific, 2012. – 260 p. Although Mathematical Olympiad competitions are carried out by solving problems, the system of Mathematical Olympiads and the related

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training courses cannot only  
of problem solving  
techniques.

Xu Jiagu. Lecture Notes on  
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This book is based on the  
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mathematical Olympiad  
training courses conducted  
by the author in Singapore.  
Its scope and depth not only  
covers and beyond the usual  
syllabus, but...

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Olympiad mathematics is not  
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