MATHEMATICS REFERENCE BOOKS

The following provides a list of mathematics reference books with indication of their coverage of the Advanced Level Pure Mathematics Syllabus. Mathematics glossaries and encyclopedias are also incorporated in the list. Teachers have to note that these books are for teachers' reference only and their level of difficulty and coverage may vary a lot. Some of them may not be suitable for students' reference. Above all, this list is by no means prescriptive or exhaustive. Teachers can update the list by incorporating new books or latest editions of the books.

A. MATHEMATICS GLOSSARIES AND ENCYCLOPEDIAS

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
1.	A Dictionary of Statistical Terms	FHC Marriott	Longman	1990
2.	Dictionary of Mathematics	E.J. Borowski & J.M. Borwein	Collins	1989
3.	Encyclopedia Dictionary of Mathematics for Engineers and Applied Statistics	I.N. Sneddon	Pergamon Press	1976
4.	Encyclopedia of Mathematics: an updated and annotated translation of the Soviet 'mathematical encyclopedia'	Matematicheskaia entsiklopediia English	Kluwer Academic	1988
5.	Great Moments in Mathematics after 1650	Howard Eves	The Mathematical Association of America	1983
6.	Great Moments in Mathematics before 1650	Howard Eves	The Mathematical Association of America	1983
7.	Handbook of Mathematics	I.N. Bronshtein & K.A. Semendyayev	Van Nostrand Reinhold Company	1985
8.	Makers of Mathematics	Stuart Hollingdale	Penguin Books	1989
9.	Men of Mathematics (Touchstone Edition)	E.T. Bell	Simon & Schuster, Inc.	1986
10.	The International Dictionary of Applied Mathematics	W.F. Freiberger	D. Van Nostrand Company, Inc.	1960
11.	The VNR Concise Encyclopedia of Mathematics	W. Gellert	Van Hostrand Reinhols	1977
12.	《中國大百科全書—數學》	–	中國大百科全書出版社	1988
13.	《數學百科辭典》	日本數學會編	科學出版社	1984
14.	《三角學辭典》	–	上海教育出版社	1964
15.	《數學題解辭典(平面解釋幾何)》	–	上海教育出版社	1982
16.	《中學數學科常用英漢辭彙》	香港課程發展議會編訂	香港教育署印行	1991

B. MATHEMATICS REFERENCE BOOKS

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
1.	‘A’ Level Mathematics Series: Complex Numbers	Stanley C.M. Leung	Greenwood	1989
2.	A Course in Algebra	C.M. Leung	Youth Bookroom	1992
3.	A Course in Calculus (Volume I)	C.M. Leung	Youth Bookroom	1992
4.	A Course in Calculus (Volume II)	C.M. Leung	Youth Bookroom	1988
5.	A Course in Pure Mathematics	Margaret M. Gow	H odder	1990
6.	A.L. Mathematics Series: Algebra	Leo C F. Leung	Leeds	1982
7.	Advanced Course in Coordinate Geometry	C.S. Lee	Chung Tai	1992
8.	Advanced Level Pure Mathematics	S.L. Green	UTP	1989
9.	Advanced Level Pure Mathematics (Book 1 & 2)	K.S. Ng &Y.K. Kwok	Hung Fung	1992
10.	Aids to Advanced Level Pure Mathematics (Part I)	LH. Yip	Greenwood	1992
11.	Aids to Advanced Level Pure Mathematics (Part II)	LH. Yip	Greenwood	1992
12.	An Advanced Mathematics Examination Course GCE	C. Plumpton & E. Shipton	Martindale Press Ltd.	1986
13.	Breakthrough Pure Mathematics Algebra	Y.L Ng & K.M. Pang	Vision	1992
14.	Breakthrough Pure Mathematics Calculus and Coordinate Geometry	Y.L Ng & K.M. Pang	Vision	1992
15.	Calculus (Volume I)	Tom M. Apostol	John Wiley	1967
16.	Calculus for HKU Matriculation Examination	K.K. Siu	Golden Crown	1990

NO.	Unit Number of the Syllabus																
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7
1.			∗							∗							
2.	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗							
3.							∗				∗	∗	∗	∗	∗	∗	∗
4.											∗				∗	∗	∗
5.				∗	∗	∗	∗	∗		∗	∗	∗	∗	∗	∗	∗	∗
6.			∗	∗	∗	∗		∗	∗	∗							
7.																	∗
8.		∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
9.	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
10.				∗				∗	∗	∗	∗	∗	∗	∗	∗	∗	
11.	∗	∗	∗		∗	∗	∗										∗
12.			∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
13.	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
14.							∗				∗	∗	∗	∗	∗	∗	∗
15.							∗				∗	∗	∗	∗	∗	∗	∗
16.												∗	∗	∗	∗	∗	

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
17.	Elementary Calculus	F. Bowman	Longman	1977
18.	Fundamental Concepts of Mathematics	K.T. Leung & P.H. Cheung	HKU Press	1991
19.	Further Pure Mathematics	L. Bostock, S. Chandler & C. Rourke	ELBS	1992
20.	Graded Exercises in Calculus	C.S. Man	Hung Fung	1987
21.	Introduction to Elementary Calculus	S.R Hsieh	Luen Shing Printing Co.	1991
22.	Limit, Continuity & Differentiability	C.Y. Chan	Greenwood	1983
23.	Mathematical Analysis – Straightforward Approach	K.G. Binmore	CUP	1982
24.	Mathematics – The Core Course for A-Level	L. Bostock & S. Chandler	ELBS	1992
25.	Pure Mathematics	E.M. Roebuck & A.J. Sherlock	John Murray	1979
26.	Schaum's 3000 Solved Problems in Calculus	Elliott Mendelson	McGraw Hill	1988
27.	Schaum's Outline Series: Theory and Problem of Finite Mathematics	Seymour Lipschntz	McGraw Hill	1966
28.	Techniques of Mathematical Analysis	C.J. Tranter	Hodder	1990
29.	The Essential of Advanced Level Pure Mathematics for HKAL Examination (I)	Y.K. Kwok & W.K. To	Wah Fung Bookstore	1991
30.	The Essential of Advanced Level Pure Mathematics for HKAL Examination (II)	Y.K. Kwok & W.K. To	Wah Fung Bookstore	1991
31.	Theory & Problems of Complex Numbers	K.N. Chiang	Pilot Publishers Co.	1981
32.	Tutorial Algebra (Volume I)	George Walker	UTP	1985

NO.	Unit Number of the Syllabus																
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7
17.													∗	∗	∗	∗	
18.	∗		∗	∗	∗	∗				∗	∗						
19.		∗			∗	∗		∗		∗	∗		∗	∗	∗	∗	∗
20.											∗	∗	∗	∗	∗	∗	∗
21.	∗	∗	∗								∗	∗	∗	∗	∗	∗	∗
22.											∗	∗					
23.			∗								∗	∗	∗	∗	∗	∗	
24.			∗			∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
25.							∗	∗	∗								
26.									∗								
27.	∗	∗						∗	∗								∗
28.		∗	∗	∗		∗		∗	∗	∗	∗	∗	∗	∗	∗	∗	∗
29.		∗		∗	∗	∗		∗	∗	∗	∗						
30.	∗	∗					∗		∗			∗	∗	∗	∗	∗	∗
31.										∗							
32.		∗	∗	∗	∗	∗			∗	∗	∗	∗					

NO.	TITLE	AUTHOR	PUBLISHER	YEAR
33.	數學分析（上下冊）	復旦大學數學系	商務	1991
34.	標準高等代數（上下冊）	陳明哲	中央書局	—
35.	高等數學	胡海清	湖南科學技術出版社	1988
36.	數學歸納法	華羅庚	商務	1989
37.	微分，積分（上下合併）	寺田文行著 嚴水謨譯	晨光	1989
38.	基礎微積分	邵之泉、華青等	知識	1987
39.	微積分探原	莫英格譯	徐氏基金會	1989
40.	數學分析習題集	李榮湅譯	商務	1986
41.	高等數學引論（第二卷第一分冊 81 年）	華羅庚	科學	1981
42.	標準解析幾何	陳明哲	中央書局	1976
43.	新代數	周正中及黃力平譯	湖北教育	1988
44.	實用代數學	漢斯．里貝克著 賈青雲、潘介正、王建聲等譯	高等教育出版社	1985
45.	高等代數	金向新	北京科學技術出版社	1991
46.	簡明高等數學 (上冊)	王樹禾、毛瑞庭	中國科學技術大學出版社	1992
47.	數學分析（上冊）	陳傅璋、金福臨、朱學炎、歐陽光中	曉園	1989
48.	初等線性代數詳解	Howard Anton 原著、鞠鴻飛譯	曉園	1991
49.	線性代數	化工系統高校數學協作組	中國計量出版社	1991
50.	應用線性代數	Bernard Kolman 著、方世榮譯	曉園	1992
51.	數學	陳強、姚亞君、劉桓	湖南科學技術出版社	1985
52.	實用數學手冊	沈永歡、梁在中	科學出版社	1992

NO.	Unit Number of the Syllabus																
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7
33.		∗									∗	∗	∗	∗	∗	∗	∗
34.			∗	∗	∗	∗		∗	∗	∗							
35.		∗					∗				∗	∗	∗	∗	∗	∗	∗
36.			∗	∗	∗												
37.		∗									∗	∗	∗	∗	∗	∗	∗
38.											∗	∗	∗	∗	∗	∗	
39.											∗	∗	∗	∗	∗		
40.		∗									∗	∗	∗	∗	∗	∗	∗
41.		∗		∗		∗	∗			∗	∗	∗	∗	∗	∗	∗	∗
42.																	∗
43.	∗						∗	∗									
44.							∗	∗	∗								
45.						∗	∗	∗	∗								
46.		∗									∗	∗	∗	∗	∗	∗	
47.		∗									∗	∗	∗	∗	∗	∗	
48.							∗	∗	∗								
49.							∗	∗	∗								
50.							∗	∗	∗								
51.							∗	∗	∗								
52.							∗	∗	∗								