



Friday 14 June 2024 – Afternoon

AS Level Further Mathematics B (MEI)

Y414/01 Numerical Methods

Time allowed: 1 hour 15 minutes

You must have:

- the Printed Answer Booklet
- the Formulae Booklet for Further Mathematics B (MEI)
- a scientific or graphical calculator

QP

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the **Printed Answer Booklet**. If you need extra space use the lined pages at the end of the Printed Answer Booklet. The question numbers must be clearly shown.
- Fill in the boxes on the front of the Printed Answer Booklet.
- Answer **all** the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Give your final answers to a degree of accuracy that is appropriate to the context.
- Do not send this Question Paper for marking. Keep it in the centre or recycle it.

INFORMATION

- The total mark for this paper is **60**.
- The marks for each question are shown in brackets [].
- This document has **8** pages.

ADVICE

- Read each question carefully before you start your answer.

Ocr Mei Fp2013 Ms

Jean-Paul Muscat



Ocr Mei Fp2013 Ms:

OCR A Level Further Mathematics Mechanics Jean-Paul Muscat, 2018-03-19 Grow your students confidence in applying mathematical techniques to solving problems with resources developed specifically for the OCR specification by subject specialists and MEI Mathematics in Education and Industry Develop reasoning and problem solving skills with practice questions and differentiated exercises that build mathematical techniques Help students to overcome misconceptions and develop insight into problem solving with annotated worked examples Build connections between topics with points of interest and things to notice such as links to real world examples and noticing patterns in the mathematics Enhance individual understanding with discussion points designed for the classroom Consolidate understanding with end of chapter summaries of the key points

Right here, we have countless ebook **Ocr Mei Fp2013 Ms** and collections to check out. We additionally allow variant types and furthermore type of the books to browse. The normal book, fiction, history, novel, scientific research, as capably as various new sorts of books are readily welcoming here.

As this Ocr Mei Fp2013 Ms, it ends happening brute one of the favored books Ocr Mei Fp2013 Ms collections that we have. This is why you remain in the best website to look the unbelievable ebook to have.

<https://crm.avenza.com/book/browse/HomePages/Service%20Manual%20Mercury%20250%20Xs.pdf>

Table of Contents Ocr Mei Fp2013 Ms

1. Understanding the eBook Ocr Mei Fp2013 Ms
 - The Rise of Digital Reading Ocr Mei Fp2013 Ms
 - Advantages of eBooks Over Traditional Books
2. Identifying Ocr Mei Fp2013 Ms
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ocr Mei Fp2013 Ms
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ocr Mei Fp2013 Ms
 - Personalized Recommendations
 - Ocr Mei Fp2013 Ms User Reviews and Ratings
 - Ocr Mei Fp2013 Ms and Bestseller Lists
5. Accessing Ocr Mei Fp2013 Ms Free and Paid eBooks
 - Ocr Mei Fp2013 Ms Public Domain eBooks

- Ocr Mei Fp2013 Ms eBook Subscription Services
- Ocr Mei Fp2013 Ms Budget-Friendly Options
- 6. Navigating Ocr Mei Fp2013 Ms eBook Formats
 - ePub, PDF, MOBI, and More
 - Ocr Mei Fp2013 Ms Compatibility with Devices
 - Ocr Mei Fp2013 Ms Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ocr Mei Fp2013 Ms
 - Highlighting and Note-Taking Ocr Mei Fp2013 Ms
 - Interactive Elements Ocr Mei Fp2013 Ms
- 8. Staying Engaged with Ocr Mei Fp2013 Ms
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ocr Mei Fp2013 Ms
- 9. Balancing eBooks and Physical Books Ocr Mei Fp2013 Ms
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ocr Mei Fp2013 Ms
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ocr Mei Fp2013 Ms
 - Setting Reading Goals Ocr Mei Fp2013 Ms
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ocr Mei Fp2013 Ms
 - Fact-Checking eBook Content of Ocr Mei Fp2013 Ms
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Ocr Mei Fp2013 Ms Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Ocr Mei Fp2013 Ms free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Ocr Mei Fp2013 Ms free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Ocr Mei Fp2013 Ms free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify

the authenticity of the source before downloading Ocr Mei Fp2013 Ms. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Ocr Mei Fp2013 Ms any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Ocr Mei Fp2013 Ms Books

What is a Ocr Mei Fp2013 Ms PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Ocr Mei Fp2013 Ms PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Ocr Mei Fp2013 Ms PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Ocr Mei Fp2013 Ms PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Ocr Mei Fp2013 Ms PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. **How do I compress a PDF file?** You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. **Can I fill out forms in a PDF file?** Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing

restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Ocr Mei Fp2013 Ms :

service manual mercury 250 xs

service manual kubota r520

service manual ford mondeo mk3

~~service manual honda c90~~

service manual kawasaki 01 zx9r

service manual grundig yacht boy 208 209 210 radio

service manual for polar 92 emc cutter

service manual hp photosmat 5363

service manual nokia c3 crfxnm

service manual john deer powered lawn mower

service manual montero

service manual for fiat 431r tractor

~~service manual haier air conditioner~~

service manual on 2015 acadia

service manual holden barina 2007

Ocr Mei Fp2013 Ms :

semiconductor optoelectronic devices pallab bhattacharya - Jul 24 2023

web pallab bhattacharya prentice hall 1994 optoelectronic devices 535 pages the first true introduction to semiconductor optoelectronic devices this book provides an

semiconductor optoelectronic devices pallab bhattacharya - Jun 11 2022

web jul 30 2010 semiconductor optoelectronic devices by pallab bhattacharya 1997 prentice hall edition in english 2nd ed

pdf semiconductor optoelectronic devices semantic scholar - Aug 25 2023

web semiconductor optoelectronic devices inproceedings bhattacharya1993semiconductorod title semiconductor

semiconductor optoelectronic devices bhattacharya pallab - Mar 08 2022

web jul 1 1994 semiconductor optoelectronic devices by bhattacharya pallab and a great selection of related books art and collectibles available now at abebooks com

semiconductor optoelectronic devices bhattacharya pallab - Jun 23 2023

web semiconductor optoelectronic devices by bhattacharya pallab publication date 1997 topics optoelectronic devices semiconductors publisher upper saddle river nj

ece 6535 semiconductor optoelectronic devices - Aug 13 2022

web the first true introduction to semiconductor optoelectronic devices this book provides an accessible well organized overview of optoelectronic devices that emphasizes basic

semiconductor optoelectronic devices 2e pallab - Jul 12 2022

web nov 19 1996 july 3 2023 history edit an edition of semiconductor optoelectronic devices 1996 semiconductor optoelectronic devices second edition by pallab

semiconductor optoelectronic devices by pallab bhattacharya - Apr 09 2022

web nov 19 1996 semiconductor optoelectronic devices 2nd edition by pallab bhattacharya paperback new this is new softcover international edition

semiconductor optoelectronic devices second edition open - May 10 2022

web about this edition the first true introduction to semiconductor optoelectronic devices this book provides an accessible well organized overview of optoelectronic devices that

semiconductor optoelectronic devices pallab bhattacharya - May 22 2023

web pallab bhattacharya prentice hall 1997 technology engineering 613 pages the first true introduction to semiconductor optoelectronic devices this book provides an

semiconductor optoelectronic devices pallab bhattacharya - Nov 16 2022

web the first true introduction to semiconductor optoelectronic devices this book provides an accessible well organized overview of optoelectronic devices that emphasizes basic

pallab bhattacharya home of pallab bhattacharya - Dec 17 2022

web gives deep insight into the physics of state of the art devices and helps to design and analyze of modern optoelectronic devices show less provides fundamental knowledge

semiconductor optoelectronic devices 2nd ed guide books - Feb 19 2023

web semiconductor optoelectronic devices pallab bhattacharya prentice hall international 1994 electrooptical devices 535 pages 0 reviews reviews aren't verified but

semiconductor optoelectronic devices physics today aip - Apr 21 2023

web pallab bhattacharya lily y pang semiconductor optoelectronic devices physics today volume 47 issue 12 1 december 1994 pages 64 doi org 10 1063

semiconductor optoelectronic devices pallab bhattacharya - Jan 18 2023

web optoelectronic devices semiconductors bibliographic references includes bibliographical references and index contents 1 elemental and compound

semiconductor optoelectronic devices second edition by pallab - Feb 07 2022

web pallab bhattacharya is the author of semiconductor optoelectronic devices 4 03 avg rating 159 ratings 10 reviews published 1993 comprehensive semic

semiconductor optoelectronic devices bhattacharya - Mar 20 2023

web dec 1 1997 this new edition of a text first published in 1994 1 covers much of the field of semiconductor lasers at a level suitable for fourth year undergraduates and beginning

semiconductor optoelectronic devices 2nd edition - Oct 03 2021

semiconductor optoelectronic devices bhattacharya pallab - Nov 04 2021

pallab bhattacharya author of semiconductor optoelectronic - Dec 05 2021

semiconductor optoelectronic devices sciencedirect - Oct 15 2022

web this course will cover the basics and physics of semiconductor optoelectronic devices including light emitting diodes semiconductor lasers photodetectors and solar cells

semiconductor optoelectronic devices by bhattacharya abebooks - Jan 06 2022

web details select delivery location usually dispatched in 1 to 3 weeks sold and fulfilled by university bookstores boston india add to cart buy now secure transaction have one

semiconductor optoelectronic devices 2 e by pallab bhattacharya - Sep 14 2022

web semiconductor optoelectronic devices 2e pallab bhattacharya amazon in books

cooler master - Mar 02 2023

web object moved this document may be found here

commodity connections cookbook - Nov 29 2022

web commodity connection cookbook has been compiled and distributed by the tennessee nutrition and consumer education program tncep with university of tennessee extension the recipes presented in this book use foods that are a part of the

commodity food package that is distributed through the

commodity connections cookbook university of vdocument in - Jun 05 2023

web apr 11 2018 connections commodity cookbook pb1784 contents introduction 6 commodity foods 6 kitchen connections

6 tools for cooking connections 7 food safety 10 temperature chart for

csfp sharing gallery recipes cookbooks usda food and - May 24 2022

web may 21 2021 this gallery contains cookbooks and recipes that specifically target participants of csfp and older adults

resources have been developed by non profit organizations state agencies and the usda cookbooks and recipes can be used to

provide participants with ideas on how to utilize foods found in their csfp food package

commodity connections cookbook forms csit edu in - Mar 22 2022

web commodity connections cookbook book review unveiling the magic of language in an electronic era where connections

and knowledge reign supreme the enchanting power of language has be much more apparent than ever

smart communications demonstrates the power of community - Feb 18 2022

web nov 9 2023 london and new york nov 09 2023 globe newswire smart communicationstm a leading technology company

focused on helping businesses

pb1784 commodity connections cookbook by the university - Sep 08 2023

web the commodity connection cookbook has been compiled and distributed by the tennessee nutrition and consumer

education program tncep with university of tennessee extension the recipes presented in this book use foods that are a part

of the commodity food package that is distributed through the united states department of

commodity connections cookbook ams istanbul edu tr - Aug 27 2022

web commodity connections cookbook 3 3 that is distributed through the united states department of agriculture usda pb178

4 commodity connections cookbookwe connect the right people with the right product as a family owned and operated

company we work closely together with our clients and understand the value of helping other

commodity connections cookbook university of tennessee - Jul 06 2023

web jan 1 2009 commodity connections cookbook university of tennessee university of tennessee institute of agriculture on

amazon com free shipping on qualifying offers commodity connections cookbook university of tennessee

commodity cooking menus recipes for use with donated - Jul 26 2022

web includes index abstract thirty one days worth of menus and recipes that use usda commodities are presented in this

cookbook from the western region of usda s food and nutrition service menus and recipes use commonly available

ingredients and were home tested for acceptability

commodity connections cookbook mark mcwilliams - Apr 03 2023

web jan 21 2023 4731157 commodity connections cookbook 2 10 downloaded from web utu ac id on by guest this soup to nuts collection of recipes covers everything you need to know to perform your job as a linux network administrator whether you re new to the job or have years of experience with linux networking cookbook you ll dive straight

pdf commodity connections cookbook research and - Aug 07 2023

web connections commodity cookbook pb1784 contents introduction 6 commodity foods 6 kitchen connections 6 tools for cooking connections 7 food safety 10 temperature chart for

food nutrition and food safety ut extension publications - Feb 01 2023

web pb1784 commodity connections cookbook the university of tennessee agricultural extension service pdf pb724 canning foods the university of tennessee agricultural extension service pdf sp325 a food preservation methods of canning the university of tennessee agricultural extension service pdf

commodity connections cookbook - May 04 2023

web reviewing commodity connections cookbook unlocking the spellbinding force of linguistics in a fast paced world fueled by information and interconnectivity the spellbinding force of linguistics has acquired newfound prominence

commodity connections cookbook ftp dhclinic co uk - Jun 24 2022

web 4 commodity connections cookbook 2022 01 27 experience of the world to shift from the foreword by jim oseland saveur founded in 1976 with 12 farmers in a parking lot new york s famed greenmarket has now grown to become the largest and most diverse network of outdoor urban farmers markets in the country with 54 markets

commodity connections cookbook pdf - Dec 31 2022

web commodity connections cookbook pdf introduction commodity connections cookbook pdf copy how to pick a peach russ parsons 2007 in this follow up to his critically acclaimed how to read a french fry parsons helps the cook sort through the produce in the market reveals intriguing facts about vegetables and fruits and provides

commodity connections cookbook kansas state university - Oct 09 2023

web the commodity connection cookbook has been compiled and distributed by the tennessee nutrition and consumer education program tncep with university of tennessee extension the recipes presented in this book use foods that are a part of the commodity food package that is distributed through the united states department of

commodity connections cookbook at nichole johnson blog - Apr 22 2022

web commodity connections cookbook grid computing wikipedia fao e book collection fao food and agriculture resources food and nutrition service jstor viewing subject anthropology about our csa tantr farm the food timeline history notes meat jstor viewing subject history flood notes missouri river levels remain high news ibieducate program

commodity packet capture engines tutorial cookbook and - Oct 29 2022

web may 4 2015 this tutorial explains the foundation of this new paradigm i e the knowledge required to capture packets at multi gb s rates on commodity hardware furthermore we thoroughly explain and empirically compare current proposals and importantly explain how apply such proposals with a number of code examples

commodity connections cookbook research and pdf filetools for - Sep 27 2022

web mar 10 2018 connections commodity cookbook pb1784 contents introduction 6 commodity foods 6 kitchen connections 6 tools for cooking connections 7 food safety 10 temperature chart for

stuschwartzapcalculusholidaypacketanswers pdf - May 03 2022

web stuschwartzapcalculusholidaypacketanswers social studies for secondary schools mind myths the belmont report character strengths and virtues the ideal problem solver

stu schwartz ap calculus holiday packet answers pdf - Mar 01 2022

web stu schwartz ap calculus holiday packet answers 2 13 downloaded from uniport edu ng on april 2 2023 by guest lessons to be learned by any physician scientist whether just

stewart calculus textbooks and online course materials - Apr 02 2022

web these are exercises together with solutions that appeared in previous editions they can be used by the instructor as possible test questions or made available to students for

stu schwartz ap calculus holiday packet answers pittsburgh - Jul 05 2022

web stu schwartz ap calculus holiday packet answers 7933cdb648e7d1e66430a11551dc5bc8 it is coming again the supplementary store that

stu schwartz youtube - Apr 14 2023

web share your videos with friends family and the world

stu schwartz ap calculus holiday packet answers pdf - Dec 30 2021

web may 20 2023 stu schwartz ap calculus holiday packet answers 1 10 downloaded from uniport edu ng on may 20 2023 by guest stu schwartz ap calculus holiday packet

stu schwartz ap calculus holiday packet answers copy - Nov 28 2021

web may 11 2023 stu schwartz ap calculus holiday packet answers 1 16 downloaded from uniport edu ng on may 11 2023 by guest stu schwartz ap calculus holiday packet

stu schwartz ap calculus holiday packet answers lee odell - Oct 28 2021

web stu schwartz ap calculus holiday packet answers stu schwartz ap calculus holiday packet answers 2 downloaded from apply eastdelta edu bd on 2022 09 19 by guest the

stu schwartz ap calculus holiday packet answers book - Jan 31 2022

web stu schwartz ap calculus holiday packet answers stu schwartz ap calculus holiday packet answers 3 downloaded from forms asmedu org on 2019 08 19 by guest and

stu schwartz ap calculus holiday packet answers martin - Jun 16 2023

web stu schwartz ap calculus holiday packet answers is available in our digital library an online access to it is set as public so you can download it instantly our digital library

stu schwartz ap calculus holiday packet answers download - Jan 11 2023

web stu schwartz ap calculus holiday packet answers stu schwartz ap calculus holiday packet answers 2 downloaded from old sectionvtrack com on 2023 06 27 by guest

stu schwartz ap calculus holiday packet answers 2023 - Oct 08 2022

web stu schwartz ap calculus holiday packet answers embracing the song of appearance an psychological symphony within stu schwartz ap calculus holiday packet

stu schwartz ap calculus holiday packet answers - Nov 09 2022

web it will not waste your time take me the e book will definitely circulate you additional thing to read just invest tiny become old to way in this on line declaration stu schwartz ap

a p calculus holiday packet morganparkcps org - Aug 18 2023

web dec 13 2012 mastermathmentor com stu schwartz a p calculus holiday packet since this is a take home i cannot stop you from using calculators but you would be

stu schwartz ap calculus holiday packet answers - May 15 2023

web page 1 13 read book stu schwartz ap calculus holiday packet answers stu schwartz ap calculus holiday rea s all access apstu schwartz ap calculus holiday packet

using courseware quizzes for ap calculus ap sta7s7cs - Feb 12 2023

web aier approval you will get an email dear bekki george your request has been approved you can now access courses on courseware website your information is as follows

is stewart calculus a good book for ap calculus prep where do - Sep 07 2022

web there are several very good books that specifically focus on covering calculus for ap one of them has author credits stewart kokoska it s the single variable calculus parts of

stu schwartz ap calculus holiday packet answers - Dec 10 2022

web this stu schwartz ap calculus holiday packet answers as one of the majority working sellers here will completely be accompanied by the best choices to review our virtual

mastermathmentor - Sep 19 2023

web welcome to mastermathmentor i am a retired teacher of mathematics having taught at wissahickon high school in ambler pa for 35 years i taught advanced placement

stu schwartz ap calculus holiday packet answers pdf - Jul 17 2023

web stu schwartz ap calculus holiday packet answers learner centered theory and practice in distance education grammar and language workbook enc focus the

stu schwartz ap calculus holiday packet answers pdf - Mar 13 2023

web may 1 2023 stu schwartz ap calculus holiday packet answers 1 13 downloaded from uniport edu ng on may 1 2023 by guest stu schwartz ap calculus holiday packet

stu schwartz ap calculus holiday packet answers - Aug 06 2022

web stu schwartz ap calculus holiday packet answers downloaded from ecobankpayservices ecobank com by guest angelica eugene my life as a quant

challenge problems stewart calculus - Jun 04 2022

web c if we introduce the bernoulli numbers then we can write and in general where the numbers are the binomial coefficients use part b to show that for and therefore