

GAUTENG DEPARTMENT OF EDUCATION
PREPARATORY EXAMINATION

PROOFREAD <input type="checkbox"/>	DATE _____
SIGNATURE _____	
PROOFREAD <input type="checkbox"/>	DATE _____
SIGNATURE _____	

MATHEMATICS
(First Paper)

MEMORANDUM

QUESTION 1 [14]

1.1 $x(x+2) = 0$
 $x = 0$ or $x = -2$

1A factorizing
2 CA for each answer

[3]

1.2 $x \leq -2$ or $x \geq 0$; with $x > 0$
 $\therefore x > 0$

2CA for each inequality
(-1) if "<" is used
1CA for selecting correct inequality
Full marks for answer only.

[3]

1.3
$$x = \frac{-(-3) \pm \sqrt{(-3)^2 - 4(2)(-7)}}{2(2)}$$

$$x = \frac{3 \pm \sqrt{65}}{4}$$

 $x = 2.77$ or $x = -1.27$

1A substitution into correct formula

$\frac{2}{3}$ if left in surd form

2CA for each correct answer

[3]

1.4 $1 + 2^{n-2} + 2^{n-1} + 2^n = 53$
 $2^n(2^{-2} + 2 + 1) = 52$
 $2^n = 16$
 $n = 4$

1A for $2^0 = 1$
1A for factorizing
1A for RHS
1CA
1CA

[5]

QUESTION 2 [10]

2.1.1 $(x+1)^2 - 4 = 16$
 $(x+1)^2 = 20$
 $x+1 = \pm\sqrt{20}$
 $x = \pm 2\sqrt{5} - 1$

OR

$(x+1)^2 - 4 = 16$
 $x^2 + 2x - 19 = 0$
$$x = \frac{-2 \pm \sqrt{(2)^2 - 4(-19)}}{2}$$

 $x = \pm 2\sqrt{5} - 1$

1A squaring both sides
1CA for isolating complete square
1M for taking square root
2CA for each answer

1A squaring both sides
1CA simplification
1CA substitution into correct formula

2CA for each answer

[5]

2.1.2 $k = 0$

1A

[1]

Gauteng Question Papers 2014

Michael Thrusfield



Gauteng Question Papers 2014:

Decoding **Gauteng Question Papers 2014**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Gauteng Question Papers 2014**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

https://staging.conocer.cide.edu/data/uploaded-files/fetch.php/Milady_Chapter_6.pdf

Table of Contents Gauteng Question Papers 2014

1. Understanding the eBook Gauteng Question Papers 2014
 - The Rise of Digital Reading Gauteng Question Papers 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Gauteng Question Papers 2014
 - 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 Gauteng Question Papers 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Gauteng Question Papers 2014
 - Personalized Recommendations
 - Gauteng Question Papers 2014 User Reviews and Ratings
 - Gauteng Question Papers 2014 and Bestseller Lists

5. Accessing Gauteng Question Papers 2014 Free and Paid eBooks
 - Gauteng Question Papers 2014 Public Domain eBooks
 - Gauteng Question Papers 2014 eBook Subscription Services
 - Gauteng Question Papers 2014 Budget-Friendly Options
6. Navigating Gauteng Question Papers 2014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Gauteng Question Papers 2014 Compatibility with Devices
 - Gauteng Question Papers 2014 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Gauteng Question Papers 2014
 - Highlighting and Note-Taking Gauteng Question Papers 2014
 - Interactive Elements Gauteng Question Papers 2014
8. Staying Engaged with Gauteng Question Papers 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gauteng Question Papers 2014
9. Balancing eBooks and Physical Books Gauteng Question Papers 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gauteng Question Papers 2014
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Gauteng Question Papers 2014
 - Setting Reading Goals Gauteng Question Papers 2014
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Gauteng Question Papers 2014
 - Fact-Checking eBook Content of Gauteng Question Papers 2014
 - 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

Gauteng Question Papers 2014 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 Gauteng Question Papers 2014 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 Gauteng Question Papers 2014 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 Gauteng Question Papers 2014 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 Gauteng Question Papers 2014. 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 Gauteng Question Papers 2014 any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Gauteng Question Papers 2014 Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Gauteng Question Papers 2014 is one of the best book in our library for free trial. We provide copy of Gauteng Question Papers 2014 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Gauteng Question Papers 2014. Where to download Gauteng Question Papers 2014 online for free? Are you looking for Gauteng Question Papers 2014 PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Gauteng Question Papers 2014. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Gauteng Question Papers 2014 are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides

make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Gauteng Question Papers 2014. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Gauteng Question Papers 2014 To get started finding Gauteng Question Papers 2014, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Gauteng Question Papers 2014 So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Gauteng Question Papers 2014. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Gauteng Question Papers 2014, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Gauteng Question Papers 2014 is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Gauteng Question Papers 2014 is universally compatible with any devices to read.

Find Gauteng Question Papers 2014 :

[milady chapter 6](#)

[milan cpsvt2616 100 owners manual](#)

[milan pcm16 fx lc 01 owners manual](#)

[military drum beats for school and drum corps](#)

military part number guide

mille et une facon de dire je t aime

mini cooper drivers manual

[milliman criteria guidelines for inpatient rehab](#)

mini cooper ecu pinout diagram

milady barber study guide

~~milan n-gsx lc-011 owners manual~~

milady standard cosmetology study guide

minecraft la guia definitiva

mini cooper obc manual

military health services 2015 2016

Gauteng Question Papers 2014 :

running on empty overcome your childhood - Dec 07 2022

web jonice webb ph d is a licensed psychologist and author of two books running on empty overcome your childhood emotional neglect and running on empty no

running on empty overcome your childhood emotional neglect - Jun 01 2022

web oct 26 2019 running on empty will help you understand your experiences and give you clear strategies for healing it also includes a special chapter for mental health

running on empty overcome your childhood emotional neglect - Aug 03 2022

web running on empty overcome your childhood emotional neglect ebook webb jonice with christine musello amazon com au kindle store kindle store

running on empty idioms by the free dictionary - Mar 30 2022

web if a person or an organization is running on empty they have no new ideas or are not as effective as they were before the fund raising campaign was running on empty after

be running on empty idioms by the free dictionary - Jan 28 2022

web running on empty definition undefined see more at the end of one s resources out of money as in i don t know how much longer we can live this way we re running on

running on empty overcome your childhood emotional neglect - Jul 02 2022

web oct 1 2012 what goes unsaid or what cannot be remembered can have profound consequences that may be affecting you to this day running on empty will help you

running on empty overcome your childhood emotional - May 12 2023

web running on empty overcome your childhood emotional neglect paperback october 1 2012 by jonice webb author christine musello contributor 4 6 4 6 out of 5 stars

running on empty overcome your childhood emotional neglect - Feb 09 2023

web running on empty is the first self help book about emotional neglect an invisible force from your childhood which you can t see but may be affecting you profoundly to this day

[pdf epub running on empty overcome your childhood](#) - Apr 30 2022

web running on empty continuing to operate with no or very little enthusiasm energy or resources left a reference to a car that has nearly run out of fuel i ve been painting the

running on empty definition meaning dictionary com - Dec 27 2021

web the idiom running on empty means to continue to do something even though you have no energy left these examples will help you easily understand this phrase

running on empty overcome your childhood emotional - Jul 14 2023

web oct 1 2012 running on empty will help you understand your experiences and give you clear strategies for healing it also includes a special chapter for mental health

running on empty overcome your childhood emotional - Sep 04 2022

web oct 1 2012 running on empty will help you understand your experiences and give you clear strategies for healing it also includes a special chapter for mental health

[be running on empty english meaning cambridge](#) - Feb 26 2022

web definition of be running on empty in the idioms dictionary be running on empty phrase what does be running on empty expression mean definitions by the largest idiom

jonice webb ph d psychology today - Nov 06 2022

web running on empty will give you clear strategies for how to heal and offers a special chapter for mental health professionals in the world of human suffering this book is an

running on empty overcome your childhood emotional - Apr 11 2023

web oct 1 2012 running on empty is the first self help book about emotional neglect an invisible force from your childhood which you can t see but may be affecting you

running on empty overcome your childhood emotional neglect - Jun 13 2023

web running on empty is the first self help book about emotional neglect an invisible force from your childhood which you can t see but may be affecting you profoundly to this day

[idiom running on empty meaning examples oyster english](#) - Nov 25 2021

web 1 day ago more than 140 leaders are expected in new york city for the un s annual general debate its most high profile event of the year which runs from september 19

running on empty by dr jonice webb dr jonice webb - Aug 15 2023

web running on empty is the latest book by dr jonice webb dr webb helps people overcome the exhaustion and pain of childhood emotional neglect and heal

running on empty overcome your childhood emotional - Jan 08 2023

web running on empty overcome your childhood emotional neglect audiobook written by jonice webb ph d christine musello psyd narrated by karen white get instant

running on empty overcome your childhood emotional - Mar 10 2023

web running on empty overcome your childhood emotional neglect hardcover webb jonice and musello christine amazon com tr kitap

running on empty overcome your childhood emotional neglect - Oct 05 2022

web oct 1 2012 what goes unsaid or what cannot be remembered can have profound consequences that may be affecting you to this day running on empty will help you

un world leaders should spotlight global crises - Oct 25 2021

the girls in the garden by lisa jewell goodreads - Jun 18 2023

web authors ads blog read 5 804 reviews from the world s largest community for readers you live on a picturesque communal garden square an oasis in urban london where your ch

the girls in the garden hardcover 7 jun 2016 amazon co uk - Jun 06 2022

web jun 7 2016 the girls in the garden is a well written and compelling story about an incident within a close community in the heart of london it s a tense thriller involving adolescents who are not quite supervised or chaperoned and who ultimately cause a serious life threatening incident

the girls in the garden summary study guide - Mar 15 2023

web the girls in the garden atria books 2016 in the novel the girls in the garden by lisa jewell a love triangle rumors and bad parenting incite a dangerous jealousy that almost has fatal consequences the novel takes place in london england

the girls in the garden a novel kindle edition amazon com - Dec 12 2022

web jun 7 2016 the most interesting and disturbing character in the book is 13 year old tyler a girl who is neglected by a narcissistic mother and who becomes jealous of a new girl who seems to be taking the males in her life away from her

the girl in the garden song and lyrics by giko gomez spotify - Mar 03 2022

web listen to the girl in the garden on spotify giko gomez song 2021 giko gomez song 2021 listen to the girl in the garden on spotify giko gomez song 2021 sign up log in home search your library create your first playlist it s easy we ll help you

the girl in the garden wallace melanie amazon com tr kitap - May 17 2023

web the girl in the garden wallace melanie amazon com tr kitap Çerez tercihlerinizi seçin Çerez bildirimimizde ayrıntılı şekilde açıklandığı üzere alışveriş yapmanızı sağlamak alışveriş deneyiminizi iyileştirmek ve hizmetlerimizi sunmak için

gerekli olan çerezleri ve benzer araçları kullanınız

the girls in the garden paperback 4 april 2017 amazon co uk - Oct 10 2022

web apr 4 2017 lisa jewell was born in london in 1968 her first novel ralph s party was the best selling debut novel of 1999 since then she has written another nineteen novels most recently a number of dark psychological thrillers including the girls then she was gone and the family upstairs and the night she disappeared all of which were

the girl in the garden hardcover june 15 2011 amazon com - Sep 21 2023

web jun 15 2011 reminiscent of the god of small things arundhati roy and the secret garden frances hodgson burnett girl in the garden stirs up evocative memories of my own vacations in kerala a brilliantly written debut novel that

the girls in the garden book by lisa jewell simon schuster - Nov 11 2022

web the girls in the garden book by lisa jewell official publisher page simon schuster about the book reading group guide about the author product details related articles raves and reviews resources and downloads the girls in the garden a novel by lisa jewell trade paperback list price 17 99 price may vary by retailer

welcome the girl in the garden - May 05 2022

web the girl in garden makes high quality beautiful natural soaps and products that are good for you and the environment we want our products to look great in your home smell wonderful in the shower and feel amazing on your body acworth ga usa

the girl in the garden wallace melanie amazon com tr kitap - Apr 16 2023

web arama yapmak istediğiniz kategoriye seçin

the girl in the garden kağıt kapak 11 nisan 2017 - Aug 20 2023

web arama yapmak istediğiniz kategoriye seçin

the girl in the garden amazon com - Jul 19 2023

web jan 31 2017 the girl in the garden strikingly affirms eudora welty s belief that one place understood helps us understand all other places better ron rash author of serena and above the waterfall wallace warmly envelops the reader in the essence of her setting the girl in the garden is populated with scarred characters some carry

the girls in the garden paperback barnes noble - Jan 13 2023

web apr 4 2017 overview one of people s glamour s and buzzfeed s best reads of summer from the new york times bestselling author of then she was gone jewell expertly builds suspense by piling up domestic misunderstandings and more plot twists than an svu episode it s a page turner for readers who like beach reads on the dark side

loading interface goodreads - Apr 04 2022

web discover and share books you love on goodreads

man arrested for alleged sexual assault of girl in garden - Feb 02 2022

web 59 minutes ago man arrested for sexually assaulting girl in garden grove 00 27 a 32 year old man has been arrested on suspicion of sexually assaulting a girl after meeting her on a social platform and allegedly

the girls in the garden kirkus reviews - Feb 14 2023

web jun 7 2016 displaced after their father s psychotic break during which he burned down their house young teenagers pip and grace move with their mother clare to a london community steeped in multigenerational family drama stemming from the unexplained death of a 15 year old girl in the communal garden years earlier

lisa jewell the girls in the garden ten second spoilers - Sep 09 2022

web mar 27 2021 lisa jewell the girls in the garden ten second spoilers bookends bookends book lists speedy spoilers abbie greaves adrian mckinty aimee molloy alex berenson alex finlay alex michaelides alex north alexis hall alice feeney alicia beckman alison hammer allie reynolds alyssa cole angela marsons ann napolitano anna

the girls in the garden a novel amazon com - Aug 08 2022

web apr 4 2017 documentary film producer and schizophrenic chris wild burns the family s house down his wife clare and his two daughters grace and pip move to a flat with a communal garden after a garden party on july 5 at 10 pm pip finds grace unconscious half dressed and bloody

soap the girl in the garden - Jul 07 2022

web the girl in garden makes high quality beautiful natural soaps and products that are good for you and the environment we want our products to look great in your home smell wonderful in the shower and feel amazing on your body acworth ga usa

bascom avr - Aug 02 2022

web download bascom avr for windows to compile your windows based ide and avr basic with 70 and debug programs windows c free user reviews 5 5 1 user votes 5

pdf programming avr mcus using bascom crash - Apr 10 2023

web it will especially help the readers who wish to write programs for the avr microcontroller in one of the most convenient language for beginners programmers bascom the book

bascom avr tutorial - Feb 25 2022

web there are various programmers for arduino avrdude is probably the most versatile bascom also supports the arduino stk500 v1 protocol the dtr rts lines are used

bascom avr mcs electronics - Aug 14 2023

web program 1 there are two ports on the 90s2313 avr microcontroller each pin on a port can be used as an input or an output information in the data direction register sets the

bascom avr programming - Apr 29 2022

web bascom programming of microcontrollers with ease yoruba divination from africa to the new world decision making and analysis practical microcontroller engineering with

getting startet with bascom avr 5 steps instructables - Oct 04 2022

web general description of the spi the spi allows high speed synchronous data transfer between the avr and peripheral devices or between several avr devices on most

bascom avr overview mcs wiki - Nov 24 2021

atmel avr basic compiler bascom microcontrollershop com - Jul 01 2022

web aug 30 2021 this book will not only show you how to program avr microcontrollers with bascom avr software but it will also show you microcontroller hardware which with

bascom avr programming mcs electronics - Oct 16 2023

web bascom avr programming with practical applications is a perfect book for students and beginners wanting to learn to program with atmel mcu s and the proven mcs

downloads mcs electronics - Sep 03 2022

web nov 13 2023 bascom avr is an integrated development environment that includes a basic compiler for the atmel avr microcontroller family editor avr simulator and in

programming in bascom avr - Jul 13 2023

web jul 19 2012 bascom avr in conjunction with avr microcontrollers is a winning combination when designing a simple but very powerful i2c analyser other projects

bascom avr in examples pl mcs electronics - Feb 08 2023

web the programming of microcontrollers using bascom 8051 version 2 0 4 0 and bascom avr version 1 11 3 0 will be described in this book some applications help

bascom avr programming with practical projects - Jun 12 2023

web introduction dear reader in front of you is a book well not just a book but more than that this book will not only show you how to program avr microcontrollers with bascom

download bascom avr apponic - Jan 27 2022

web bascom avr overview bascom avr is the original windows basic compiler for the avr family it is designed to run on xp vista win7 and win8 this product

bascom programming of microcontrollers with ease an - Dec 06 2022

web getting startet with bascom avr step 1 installation of bascom and setup download the file and install bascom avr install

all parts of it including step 2 let s take a closer

[bascom avr free download and software reviews cnet](#) - May 31 2022

web oct 25 2020 langkah 1 buka software bascom avr start all program mcs electronics bascom avr atau dapat juga dengan double click icon software

bascom avr mcs elec - Mar 09 2023

web bascom avr is the original windows basic compiler for the avr family written by mcs electronics it is designed to run on w95 w98 nt w2000 xp vista w7 bascom

[getting started with atmel avr and bascom](#) - Sep 15 2023

web from the standpoint of the ide programming software the bascom is much easier to install and implement than something like the avr studio i installed bascom typed in

[bascom avr mcs wiki avr](#) - Jan 07 2023

web the programming aspect of the book focuses on the widely popular bascom avr compiler which is a very user friendly basic compiler ide developed in the netherlands

[cara menggunakan bascom avr robotics university](#) - Mar 29 2022

web sep 17 2010 download bascom avr windows based ide and bascom avr basic compiler the avr family micro controllers windows mac android top downloads

bascom avr programming usa mcs elec - May 11 2023

web version 2 0 8 6 document build 100 mcs electronics may update this documentation without notice products specification and usage may change accordingly mcs

arduino bascom avr - Dec 26 2021

bascom avr programming by jurij mikeln goodreads - Nov 05 2022

web details setupio zip hot 2016 07 11 setupio zip hits 8075 download details msimg32 hot 2007 09 28 this file is only needed for some older windows like w95 and w98 if you