## **Quadratic Transformations**



Horizontal Translation: +h→slides right -h→slides left



Reflection over the x-axis: -a



Vertical Translation: +k → slides up



Vertical Stretch or Compression:  $f(x) = ax^2$ 

0 < a < 0 vertical compression (wide)



# **Emathinstruction Algebra Quadratic Transformations**

**Mark Steyvers** 

**Emathinstruction Algebra Quadratic Transformations:** 

Discover tales of courage and bravery in is empowering ebook, Stories of Fearlessness: **Emathinstruction Algebra Quadratic Transformations**. In a downloadable PDF format ( Download in PDF: \*), this collection inspires and motivates. Download now to witness the indomitable spirit of those who dared to be brave.

https://staging.conocer.cide.edu/files/browse/Download PDFS/Keyless%20Entry%20Maintenance%20Schedules.pdf

### **Table of Contents Emathinstruction Algebra Quadratic Transformations**

- 1. Understanding the eBook Emathinstruction Algebra Quadratic Transformations
  - The Rise of Digital Reading Emathinstruction Algebra Quadratic Transformations
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Emathinstruction Algebra Quadratic Transformations
  - 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 Emathinstruction Algebra Quadratic Transformations
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Emathinstruction Algebra Quadratic Transformations
  - Personalized Recommendations
  - Emathinstruction Algebra Quadratic Transformations User Reviews and Ratings
  - Emathinstruction Algebra Quadratic Transformations and Bestseller Lists
- 5. Accessing Emathinstruction Algebra Quadratic Transformations Free and Paid eBooks
  - Emathinstruction Algebra Quadratic Transformations Public Domain eBooks
  - Emathinstruction Algebra Quadratic Transformations eBook Subscription Services
  - Emathinstruction Algebra Quadratic Transformations Budget-Friendly Options
- 6. Navigating Emathinstruction Algebra Quadratic Transformations eBook Formats

- o ePub, PDF, MOBI, and More
- Emathinstruction Algebra Quadratic Transformations Compatibility with Devices
- Emathinstruction Algebra Quadratic Transformations Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Emathinstruction Algebra Quadratic Transformations
  - Highlighting and Note-Taking Emathinstruction Algebra Quadratic Transformations
  - Interactive Elements Emathinstruction Algebra Quadratic Transformations
- 8. Staying Engaged with Emathinstruction Algebra Quadratic Transformations
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Emathinstruction Algebra Quadratic Transformations
- 9. Balancing eBooks and Physical Books Emathinstruction Algebra Quadratic Transformations
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Emathinstruction Algebra Quadratic Transformations
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Emathinstruction Algebra Quadratic Transformations
  - Setting Reading Goals Emathinstruction Algebra Quadratic Transformations
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Emathinstruction Algebra Quadratic Transformations
  - Fact-Checking eBook Content of Emathinstruction Algebra Quadratic Transformations
  - 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

### **Emathinstruction Algebra Quadratic Transformations Introduction**

Emathinstruction Algebra Quadratic Transformations Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Emathinstruction Algebra Quadratic Transformations Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Emathinstruction Algebra Quadratic Transformations: This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Emathinstruction Algebra Quadratic Transformations: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Emathinstruction Algebra Quadratic Transformations Offers a diverse range of free eBooks across various genres. Emathinstruction Algebra Quadratic Transformations Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Emathinstruction Algebra Quadratic Transformations Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Emathinstruction Algebra Quadratic Transformations, especially related to Emathinstruction Algebra Quadratic Transformations, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Emathinstruction Algebra Quadratic Transformations, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Emathinstruction Algebra Quadratic Transformations books or magazines might include. Look for these in online stores or libraries. Remember that while Emathinstruction Algebra Quadratic Transformations, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Emathinstruction Algebra Quadratic Transformations eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Emathinstruction Algebra Quadratic Transformations full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Emathinstruction Algebra Quadratic Transformations eBooks, including some popular titles.

### **FAQs About Emathinstruction Algebra Quadratic Transformations Books**

- 1. Where can I buy Emathinstruction Algebra Quadratic Transformations books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Emathinstruction Algebra Quadratic Transformations book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Emathinstruction Algebra Quadratic Transformations books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Emathinstruction Algebra Quadratic Transformations audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Emathinstruction Algebra Quadratic Transformations books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

### Find Emathinstruction Algebra Quadratic Transformations:

### keyless entry maintenance schedules

kia sportage manual

### key used auto sales inc

kia sorento clim wirring

kia navigation owners manual

kia navigation system quick reference guide

### kia forte koup owners manual

kia 2004 sorento manual

kia sedona service repair manual 2008

### kia rio air conditioning diagram

kia sedona service manual

key automotive sales and services

kia sedona 2010 owner manual

### khanyisa nursing college in gauteng

khd deutz bf6l913 manual

### **Emathinstruction Algebra Quadratic Transformations:**

three phase inverter reference design for 200 480vac drives - Oct 02 2023

web this reference design is a three phase inverter drive for controlling ac and servo motors it comprises of two boards a power stage module and a control module power stage module this board performs the function of dc ac conversion a cib igbt module 7mbr25va120 50 is used for the power conversion

dc ac pure sine wave inverter worcester polytechnic institute - May 17 2022

web the purpose of a dc ac power inverter is typically to take dc power supplied by a battery such as a 12 volt car battery and transform it into a 120 volt ac power source operating at 60 hz emulating the power available at an ordinary household electrical outlet

### application note motor inverter circuit configuration example - Jul 31 2023

web application guide automotive xev motor inverter capacitors for dc link snubber use the use of high speed devices such as sic gan etc is progressing and the dimensions of inverters are shrinking but this makes it even more important to effectively

control noise

### design of a 48 v three phase inverter chalmers publication - May 29 2023

web three phase inverters are often used to supply three phase loads such as ac motors the basic structure of a three phase inverter is shown in figure 2 1 each of the three legs produces an output which is displaced by 120 with respect to each other the output of each leg depends on the status of the switch and the input voltage v d since

3 phase inverter ref design using gate driver with built in dead - Feb 23 2023

web description this reference design reduces system cost and enables a compact design for a reinforced isolated 10 kw three phase inverter a lower system cost and compact form factor is achieved by using a dual gate driver in a single package and bootstrap configuration to generate floating voltages for the gate drive power supply

### tida 00364 reference design ti com texas instruments india - Dec 24 2022

web tida 00364 is a reference design for 3 phase mosfet based inverter to drive ac induction motor for traction in forklifts the inverter is powered from a 48 vdc lead acid battery it is designed to deliver 5 kw of output power and can handle continuous motor currents of up to 130 arms with suitable cooling setup

inverter air conditioner schematic diagram circuit diagram - Oct 22 2022

web mar 12 2018 an inverter air conditioner schematic diagram is essentially a visual representation of how the power flows between components in the ac unit it shows the connections between all the parts of the system such as the compressor condenser evaporator coil and any other critical components

### schematics and instructions openinverter org open source ac motor - Aug 20 2022

web schematics and instructions the kit is split into seven individual pcbs the main board hosting the stm $32\ 2$  current sensor boards a voltage sense board and 3 gate driver boards if you have a kit with the large sensor board look here for instructions contents 1 general instructions 2 schematics 3 errata 4 using the web interface

building a basic inverter nxp semiconductors - Jan 25 2023

web apr 11 2011 the car s battery and through the inverter converts the alternating current control signals into the high current high voltage energy needed to commutate or turn the motor the ight is an ideal motor inverter switch for 35 kw to 85 kw ev motors due to its high efficiency and fast switching the more efficient the

### schematic for ac motor inverters stage rcm org uk - Apr 15 2022

web schematic for ac motor inverters schematic for ac motor inverters 2 downloaded from stage rcm org uk on 2023 04 04 by guest helping readers integrate the spice simulator with a minimum amount of time and effort giving users a better understanding of the operation of a power electronics circuit the author explores the transient behavior of current dc ac inverter circuit toshiba electronic devices storage - Sep 01 2023

web description this document describes inverter circuits used for motor control and other applications focusing on pwm control it also describes the differences between two phase and three phase modulation techniques as well as circuits for drive power supply and power losses in semiconductor devices 1

### inverter types circuit diagram and applications - Nov 22 2022

web mar  $24\ 2021$  the inverter is a device that used to transform the dc to ac in the electrical system the common use of dc is in solar systems where generation occurs in dc so inverters are used to convert dc to ac the main use of dc in the solar system batteries cells since these generate dc the main function of an inverter is to convert dc to ac

inverter ac wiring diagram wiring diagram - Feb 11 2022

web dec 7 2022 inverter ac wiring diagrams are used to explain the electrical connections between all the components of the ac system they include diagrams of the power source the ac unit the control panel the motor and the inverter by studying these diagrams it is possible to understand the electrical circuits that make up the ac system and

### inverter schematic tehnomagazin com - Jun 17 2022

web 12v to 230v ac inverter schematic 1500w inverter a mos fet power inverter dc to ac inverter dc24v to ac220v inverter 300w by ne555 ca3130 mj15003 digital to analog centronics d a filter voltage inverter 12vdc to 220vac 50hz high power 12 v to 300 v inverters for high repeat rate medium power strobes

technical explanation for inverters omron - Jun 29 2023

web what is an inverter an inverter controls the frequency of power supplied to an ac motor to control the rotation speed of the motor without an inverter the ac motor would operate at full speed as soon as the power supply was turned on you would not be able to control the speed making the applications for the motor limited

how to build a dc to ac power inverter circuit basics - Jul 19 2022

web aug 26 2021 we are going to build a power inverter that takes its input power from a 12v battery and outputs a 110v 230v ac current the circuit is outlined in the block diagram below here is the circuit schematic the 50hz oscillator is provided by the 555 timer

schematic for ac motor inverters full pdf dev rcm org - Sep 20 2022

web dealt with ac motors power switching devices power switching circuits six step voltage source inverter induction motors pulse width modulated voltage source inverter six step current source inverter drive six step synchro converter system for synchronous motors self excited induction motor and cycloconvertor power electronics and ac

800va pure sine wave inverter s reference design rev a - Apr 27 2023

web power inverter is a device that converts electrical power from dc form to ac form using electronic circuits it is typical application is to convert battery voltage into conventional household ac voltage allowing you to use electronic devices when

an ac power is

inverter circuit diagram a complete tutorial edrawmax - Mar 27 2023

web the inverter is made to give a voltage of 220v ac or 110v ac to the device connected with it at the output socket as a load when the ac main supply is open the inverter sensors consider it and pass this ac to the relay plus battery charging section schematic diagram ac to ac inverter datasheets the datasheet - Mar 15 2022

web 1998 schematic diagram inverter air conditioner abstract schematic diagram motor control schematic diagram dc ac inverter 3 phase inverter schematic diagram 3 phase ac sinewave motor controller single ic basic ac motor reverse forward electrical diagram control of three phase induction motor pwm variable frequency drive circuit diagram wards dna lab activity answers pdf pdf snapshot segmetrics - Nov 05 2022

web aug 9 2023 is wards dna lab activity answers below molecular approaches to the study of the ocean k e cooksey 2012 12 06 marine biological science is now studied at the

### ward s dna amplification by pcr lab activity - Jan 07 2023

web proclamation wards dna lab activity answers can be one of the options to accompany you bearing in mind having new time it will not waste your time admit me the e book

ward s dna detectives lab activity ward s - Aug 14 2023

web ward s dna detectives lab activity in this lab activity students will use restriction enzymes to digest the dna of four suspects in a criminal investigation and separate the

### wards dna lab activity answers pdf uniport edu - May 31 2022

web wards dna lab activity answers as recognized adventure as skillfully as experience virtually lesson amusement as competently as pact can be gotten by just checking out a

wards dna lab activity answers tunxis community college - Aug 02 2022

wards dna lab activity answers download only - Sep 03 2022

web oct 16 2022 this wards dna lab activity answers can be taken as well as picked to act page 1 19 october 16 2022 wards dna lab activity answers the molecular basis of

### ward s dna fingerprinting electrophoresis lab activity - May 11 2023

web dna before starting this activity no prior knowledge of dna structure or function is expected for middle school students activity timeline this laboratory activity can be

ward s dna and rna molecular structure lab activity - Jan 27 2022

### ward s fruit dna extraction activity lab activity vwr - Feb 08 2023

web wards dna lab activity answers if you ally need such a referred wards dna lab activity answers books that will meet the expense of you worth get the entirely best

### biotechnology explorer bio rad - Dec 06 2022

web may 28 2023 wards dna lab activity answers 1 7 downloaded from uniport edu ng on may 28 2023 by guest wards dna lab activity answers thank you for downloading

wards dna lab activity answers copy uniport edu - Sep 22 2021

### wards dna lab activity answers copy las gnome - Apr 29 2022

web aug 22 2023 ward s fruit dna extraction activity lab activity ward s science a low tech solution for teaching advanced biotechnology let us help you to identify activity

<u>dna teaching resources wordwall</u> - Feb 25 2022

web offer it is not with reference to the costs its practically what you need currently this wards dna lab activity answers as one of the most full of life sellers here will completely be

### wards dna lab activity answers policies abtu edu - Mar 29 2022

web wards dna lab activity answers 1 7 downloaded from uniport edu ng on may 15 2023 by guest wards dna lab activity answers if you ally habit such a referred wards dna lab

ward s fruit dna extraction activity lab activity ward s - Nov 24 2021

### this dna activity teaches students a simple technique for - Jul 13 2023

web forensic science 662 ward sdnawhodunit labactivity simulatetheactualprocedureusedinforensicscience withouthardware dna

wards dna lab activity answers uniport edu - Oct 24 2021

### ward s extracting bacterial dna lab activity - Mar 09 2023

web their favorite novels like this wards dna lab activity answers but end up in infectious downloads rather than reading a good book with a cup of tea in the afternoon instead

wards dna lab activity answers help environment harvard edu - Dec 26 2021

ward s dna simulation lab activity ward s - Apr 10 2023

web title wards dna lab activity answers pdf pdf snapshot segmetrics io created date 8 31 2023 7 11 56 pm wards dna lab activity answers pdf uniport edu - Jul 01 2022

web sep 8 2023 students will construct all of the structural components that make up dna and rna including ribose and deoxyribose sugars phosphate and all the nitrogenous

### wards dna lab activity answers help environment harvard edu - Oct 04 2022

web feb 3 2023 wards dna lab activity answers 2 18 downloaded from las gnome org on february 3 2023 by guest california san diego school of medicine 1991 teaching

ward s science biology vwr international - Jun 12 2023

web ward s fruit dna extraction activity lab activity supplier ward s a low tech solution for teaching advanced biotechnology materials for 40 dna extractions time required

### a dog named duke class 9 summary explanation question - Jul 14 2023

web sep 9 2022 top a dog named duke summary chuck hooper was a tall slim man he was a university level football player and the zone sales manager in a chemical company he got a doberman named duke as a pet dog much against his wife s wish one evening on his way back home hooper met with an accident

### a dog named duke interact in english literature reader - Dec 27 2021

web the chapter a dog named duke is a heartwarming tale of resilience recovery and the unbreakable bond between a man and his dog it begins with introducing us to chuck hooper a vibrant and competitive individual who lives with his wife marcy and their doberman pinscher duke

### ncert solution for class 9th ch 2 a dog named duke english - Feb 26 2022

web nov 22 2014 duke was an extraordinary dog with special qualities when duke came from the kennel he jumped on chuck and he knew instantly that he was never to jump on him again from that moment he took up a post beside master s bed around the clock

class 9 ncert solutions english chapter f 2 a dog named duke - Aug 03 2022

web he was happily married to marcy a tiny blonde and had a pet dog by the name of duke he wore a big genuine grin on his face that civilized his competitive nature he was a tall man who was about six feet one in height and played football for the university team

#### f 2 a dog named duke by william d ellis byju s - Jun 13 2023

web william d ellis about the dog duke duke was a rough playing doberman pinscher four year old 23 kilos his coat was red with a fawn vest chuck hooper had doubts at first about buying him because his wife marcy was not really a dog lover she was a tiny blonde pomeranian was her idea of the right size dog for a colonial house on a small plot

study material and summary of a dog named duke ncert - Mar 10 2023

web mar 28 2015 summary of chapter duke was a rough playing doberman pinscher four year old and of 23 kilos with a red coat and a fawn vest chuck hooper had doubts at first about buying him because his wife marcy was not really a dog lover but finally he purchased the dog because he was very impressed with the energy and agility of the dog

a dog named duke summary by william d ellis - Jul 02 2022

web a dog named duke summary by william d ellis the story is about the relationship between animals and human beings it celebrates the bond of compassion and trust that exist between a man chuck hooper and his loyal dog duke hopper a successful salesman an accident

a dog named duke summary class 9 english learn cbse - Dec 07 2022

web may 13 2019 a dog named duke summary in english hooper used to be a highly motivated and result oriented hard charging zone sales manager for a chemical company an accident reduced him to a paralysed cripple despair had led him on to helplessness but his dog duke s re entry into his life lifted his numb spirits

a dog named duke cbse english friend - Feb 09 2023

web jul 28 2017 chapter 2 a dog named duke by william d ellis how it all goes duke was a rough playing doberman pinscher four years old and of 23 kilos with a red coat and a fawn vest chuck hooper had doubts at first about buying him because his wife marcy was not really a dog

a dog named duke communicative english class 9 youtube - Apr 30 2022

web introduction of the story a dog named duke a dog named duke written by william d ellis is a story of struggle duke the dog played an important role in this struggle and helped his

cbse class 9 english fiction a dog named duke studiestoday - May 12 2023

web about the dog duke duke was a rough playing doberman pinscher four year old 23 kilos his coat was red with a fawn vest chuck hooper had doubts at first about buying him because his wife marcy was not really a dog lover she s a tiny blonde pomeranian was her idea of the right size dog for a colonial house on a small plot

### a dog named duke summary in english by william p ellis - Jan 08 2023

web jun 4 2020 a dog named duke summary in english charles chuck hooper had everything going for him he was tall popular used to play for the university football team and was now a successful zonal sales manager for a chemical company he was happily married and had brought home a four year old doberman called duke

### class 9 english chapter 2 a dog named duke ncert solutions - Jun 01 2022

web the protagonist of the story a dog named duke hooper was a very dynamic healthy and successful man before he met with a terrible accident the accident reduces him to a paralysed cripple he is forced to lie on bed despair leads him to helplessness but duke s entry lifts his numb spirits

a dog named duke extra questions and answer for class 9 - Mar 30 2022

web a dog named duke extra questions and answers reference to context read the extracts given below and answer the questions that follow question 1 in 1953 hooper was a favoured young man a big genuine grin civilized his highly competitive nature standing six foot one he d played on the university football team

ncert textbook a dog named duke english class 9 edurev - Oct 05 2022

web ans a dog named duke is a story about a dog named duke who becomes the beloved pet of the morris family however duke s life takes a turn when george morris the father loses his job and the family faces financial difficulties with no other option george decides to give up duke

cbse class 9 english fiction a dog named duke studiestoday - Nov 06 2022

web ncert book class 9 english a dog named duke the latest ncert book for a dog named duke pdf have been published by ncert based on the latest research done for each topic which has to be taught to students in all classes the books for class 9 english a dog named duke are designed to enhance the overall understanding of students

### a dog named duke cbse notes for class 9 english learn - Sep 04 2022

web mar 17 2017 a dog named duke written by william d ellis is a story of struggle duke the dog played an important role in this struggle and helped his master come out of a critical situation

### a dog named duke summary english class 9 pdf download - Jan 28 2022

web a dog named duke summary english class 9 1 crore students have signed up on edurev have you download the app duke was a huge doberman weighing 23 kilos with a red coat and a fawn vest chuck hooper prevailed upon his wife marcy and bought him because he was very impressed with the energy and agility of the dog

### a dog named duke william d ellis english ncert fiction - Apr 11 2023

web animated video of a dog named duke summary by william d ellis class 9 chapter 2 fiction ncert the story is about the relationship between animals and human beings it celebrates the bond

ncert solutions for class 9 english literature chapter 2 a dog named duke - Aug 15 2023

web the protagonist of the story a dog named duke hooper was a very dynamic healthy and successful man before he met with a terrible accident the accident reduces him to a paralysed cripple he is forced to lie on bed