

Station 3: Solving Quadratic Equations

Part A: Complete each problem by FACTORING.

1. Find the real zeros of $f(x) = 2x^2 + 15x + 18$.

$$0 = 2x^2 + 15x + 18$$

$$0 = (2x + 3)(x + 6)$$

$$x = -\frac{3}{2} \text{ or } -6$$

3. Solve $9x^2 - 10x + 2 = 5$.

$$9x^2 - 10x - 3 = 0$$

$$(3x - 5)(3x + 1) = 0$$

$$x = \frac{5}{3} \text{ or } -\frac{1}{3}$$

4. A box has a base that measures 3 inches by 5 inches, and a height of 11 inches. Increasing each dimension of the base by the same amount causes the volume of the box to increase by 528 cubic inches.

- a. Using x as the amount that each dimension of the base is increased by, write an expression for the volume of the box. Let x be the increase in each dimension of the base in inches.

$$11(3+x)(5+x)$$

- b. Use the original measurements and the expression you wrote in part (a) to write an equation that can be used to find the amount by which each dimension of the base increased.

$$(3)(5)(11) + 528 = 11(3+x)(5+x)$$

- c. Solve the equation in part (b) and interpret the solutions in the context of the problem.

$$165 + 528 = 11(x+3)(x+5)$$

$$693 = 11(x+3)(x+5)$$

$$63 = (x+3)(x+5)$$

$$14 = x^2 + 8x + 15$$

$$x^2 + 8x - 14 = 0$$

$$(x+12)(x-4) = 0$$

$$x = -12 \text{ or } 4$$

Each dimension of the base is increased by 4 in.

Part B: Complete each problem.

5. Consider $9x^2 - 12x + 9 = -50$.

- a. Determine how many and what type of solutions the equation has.

$$b^2 - 4ac = (-12)^2 - 4(9)(95) = 144 - (36)(95) < 0$$

2 imaginary solutions

- b. Find those solutions by completing the square.

$$9x^2 - 12x + 9 = -50$$

$$9x^2 - 12x = -59$$

$$x^2 - \frac{4}{3}x = -\frac{59}{9}$$

$$x^2 - \frac{4}{3}x + \frac{16}{9} = -\frac{59}{9} + \frac{16}{9}$$

$$(x - \frac{2}{3})^2 = -\frac{43}{9}$$

$$x - \frac{2}{3} = \pm \frac{\sqrt{43}}{3}$$

$$x = \frac{2}{3} \pm \frac{\sqrt{43}}{3}$$

6. A rocket is shot into the air from a 168-foot-high platform with an initial velocity of 88 feet per second.

- a. Use the quadratic formula to determine how much time the rocket is in the air before landing at ground level.

$$h(t) = -16t^2 + 88t + 168$$

$$t = \frac{-88 \pm \sqrt{88^2 - 4(-16)(168)}}{2(-16)} = -1.5 \text{ or } 7$$

$$h(t) = -16t^2 + 88t + 168$$

the rocket landed after 7 seconds

- b. Could the factoring method have been used to answer the question above? Explain.

Yes, because solutions are rational

Geometry E2020 Quiz Answers

Didier Musso



Geometry E2020 Quiz Answers:

Discovering Geometry ,1997 Contains at least three quizzes for each chapter from the first 16 chapters taken from Discovering Geometry second edition Midyear and final exams for each of the five year courses are outlined in Discovering Geometry Teacher s Guide and Answer Key

Recognizing the exaggeration ways to get this book **Geometry E2020 Quiz Answers** is additionally useful. You have remained in right site to begin getting this info. get the Geometry E2020 Quiz Answers colleague that we have the funds for here and check out the link.

You could purchase lead Geometry E2020 Quiz Answers or get it as soon as feasible. You could quickly download this Geometry E2020 Quiz Answers after getting deal. So, in the manner of you require the books swiftly, you can straight get it. Its appropriately entirely simple and appropriately fats, isnt it? You have to favor to in this announce

https://staging.conocer.cide.edu/files/publication/fetch.php/End_Of_Year_Examination_Grade_11_Geograhya_Paper1_Memo.pdf

Table of Contents Geometry E2020 Quiz Answers

1. Understanding the eBook Geometry E2020 Quiz Answers
 - The Rise of Digital Reading Geometry E2020 Quiz Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Geometry E2020 Quiz Answers
 - 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 Geometry E2020 Quiz Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Geometry E2020 Quiz Answers
 - Personalized Recommendations
 - Geometry E2020 Quiz Answers User Reviews and Ratings
 - Geometry E2020 Quiz Answers and Bestseller Lists

5. Accessing Geometry E2020 Quiz Answers Free and Paid eBooks
 - Geometry E2020 Quiz Answers Public Domain eBooks
 - Geometry E2020 Quiz Answers eBook Subscription Services
 - Geometry E2020 Quiz Answers Budget-Friendly Options
6. Navigating Geometry E2020 Quiz Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Geometry E2020 Quiz Answers Compatibility with Devices
 - Geometry E2020 Quiz Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Geometry E2020 Quiz Answers
 - Highlighting and Note-Taking Geometry E2020 Quiz Answers
 - Interactive Elements Geometry E2020 Quiz Answers
8. Staying Engaged with Geometry E2020 Quiz Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Geometry E2020 Quiz Answers
9. Balancing eBooks and Physical Books Geometry E2020 Quiz Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Geometry E2020 Quiz Answers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Geometry E2020 Quiz Answers
 - Setting Reading Goals Geometry E2020 Quiz Answers
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Geometry E2020 Quiz Answers
 - Fact-Checking eBook Content of Geometry E2020 Quiz Answers
 - 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

Geometry E2020 Quiz Answers Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Geometry E2020 Quiz Answers PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to

personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Geometry E2020 Quiz Answers PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Geometry E2020 Quiz Answers free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Geometry E2020 Quiz Answers Books

1. Where can I buy Geometry E2020 Quiz Answers 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 Geometry E2020 Quiz Answers 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 Geometry E2020 Quiz Answers 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 Geometry E2020 Quiz Answers 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 Geometry E2020 Quiz Answers books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Geometry E2020 Quiz Answers :

end of year examination grade 11 geograhya paper1 memo

emsco c2 type ii drawworks manual

energy mutodi geography

empirical and molecular formula key

employee benefits guide 2014

ems 2013 exam paper grade 8 limpopo

energy kart owners manual

endodontic manual for the general dentist

empco corrections study guide

encore book of the backup series english edition

employment guide site

enceinte cest pas une mince affaire

energy ws 2 v3 answers

endeavour 32 owners manual

end time dreams visions dreaming with meaning

Geometry E2020 Quiz Answers :

installation and operating instructions grundfos - Apr 01 2023

web if these instructions are not observed it may result in malfunction or damage to the equipment tips and advice that make the work easier 1 3 safety observe the safety

installation and operation instructions signify - Oct 27 2022

web note before you install operate or service the system read the ibm systems safety notices for important safety information warning important safety

installation and operating instructions - Oct 07 2023

web prior to installation read these installation and operating instructions installation and operation must comply with local regulations and accepted codes of good practice warning if these safety instructions are not observed it may result in personal injury caution if

installation and operating instructions grundfos - Jul 04 2023

web prior to installation read these installation and operating instructions installation and operation must comply with local regulations and accepted codes of good practice

international trade union confederation - Nov 15 2021

caution read the entire installation and - Sep 06 2023

web installation and operating instructions caution read the entire installation and operating instruction before placing batteries in

ecco ed5100 installation and operation instruction manual - Jul 24 2022

web exercise caution when working with live electrical connections this product must be properly grounded inadequate grounding and or shorting of electrical connections can

installation and operation instructions - Jun 22 2022

web before starting the installation important considerations the qualified installer must use factory kits or accessories when installing this product refer to the individual

installation and operating instructions grundfos - May 02 2023

web grundfos installation and operating instructions safety instructions and service instructions 3 installation danger

indicates a hazardous situation which if not

thermo scientific isotemp iue 86l series - Nov 27 2022

web caution never install batteries in a sealed room or enclosure 103 2 high altitude operation the maximum operating temperature drops 1 celsius per 300 meters 2 f

installation start up and service instructions caution yumpu - Jan 18 2022

web installation instructions means the installation instructions provided to you by energyaustralia or the installer of your redback product installation instructions

furniture amazon web services - Feb 16 2022

web these instructions cover the installation start up strong and strong servicing of br dfc2a dfc2h outdoor strong and strong dff2a dff2h indoor units br cooling

installation and operation instructions - Aug 25 2022

web contained in this manual 1 proper installation combined with operator training in the use care and maintenance of emergency warning devices are essential to ensure the safety

installation and operating instructions grundfos - Jun 03 2023

web installation and operating instructions up15 and up26 stainless and bronze 2 english us caution caution if these safety instructions are not observed it may result in

installation and operating instructions grundfos - Feb 28 2023

web these installation and operating instructions describe grundfos srg 50 hz recirculation pumps sections 1 5 give the information necessary to be able to unpack install and

operating instructions and warranties sample - Mar 20 2022

web the caution symbol above is a sign that a safety risk is involved and may cause personal injury read and understand all instructions before installing or operating

mq grundfos - Dec 29 2022

web page 2 important read this instruction manual failure to follow the instructions in this manual can result in damage to the unit injury to operating personnel and poor

installation and operation instructions steril aire - Apr 20 2022

web sample 1 operating instructions and warranties as part of the request for inspection for substantial completion the design builder shall submit all operating

precautions for installation ibm - Sep 25 2022

web 1 proper installation combined with operator training in the use care and maintenance of emergency warning devices

are essential to ensure the safety of emergency personnel

installation and operation instructions steril aire com - May 22 2022

web before starting the installation important considerations the qualified installer must use factory kits or accessories when installing this product refer to the individual

installation instructions definition law insider - Dec 17 2021

web international trade union confederation

elka p 2500 installation and operating instructions - Jan 30 2023

web english us installation and operating instructions original installation and operating instructions contents page 1 limited warranty products manufactured by

installation and operating instructions grundfos - Aug 05 2023

web 7 2 maximum installation pressure 15 7 3 lowering the pump 15 7 4 frequency of starts and stops 15 8 maintenance and service 16 9 fault finding 16 10 checking of motor

acca f7 final assessment answers d14 final pdf course - Apr 04 2023

web final assessment answers kaplan publishing 7 section b 1 soft fun a ratios for soft fun plc for the year ended 31 march 20x2 20x2 comparative for 2011

kaplan f7 final assessment answers pdf mail lafamigliawv - Mar 23 2022

web apr 25 2023 kaplan f7 final assessment answers 2 5 downloaded from uniport edu ng on april 25 2023 by guest premium which describes a multistage system to help

acca final assessment financial reportin studocu - Sep 09 2023

web paper f7 int financial reporting december 2013 final assessment answers to gain maximum benefit do not refer to these answers until you have completed the final

kaplan f7 final assessment answers pdf - Sep 28 2022

web final assessment answers kaplan publishing 3 section a 1 fairview key answer tips parts a and b of this question are typical of the requirements in the first of

acca f7 final assessment june 2014 vdocuments mx - Jun 25 2022

web mar 6 2023 kaplan f7 final assessment answers 3 9 downloaded from uniport edu ng on march 6 2023 by guest new york state regents exam in mathematics kaplan 2000

acca 20f7 20 int 20final 20assessment 20 - Oct 30 2022

web kaplan f7 final assessment answers acca f7 financial reporting int sep 12 2021 acca f7 financial reporting uk and int study text 2013 nov 14 2021 this study

f7 interim assessment answers s17 j18 studocu - Jul 07 2023

web interim assessment answers to gain maximum benefit do not refer to these answers until you have completed the interim assessment questions and submitted them for

f7 kaplan study text acca globalbox - Nov 30 2022

web paper f7 int financial reporting december 2011 final assessment answers to gain maximum benefit do not refer to these answers until you have completed the final

f7 kaplan exam kit acca globalbox - Nov 18 2021

acca f7 financial reporting - May 05 2023

web a quick answer to a quick question if you have a f7 query then you should be able to access a trusted answer quickly and efficiently using either the search function the top

final assessment answers s15 d15 pdf acca paper p7 - Aug 28 2022

web 2 kaplan f7 final assessment answers 2020 06 23 test are you ready for the new york state regents mathematics course iii exam you will be with kaplan s proven plan for

kaplan f7 final assessment answers graph safehousetech com - Jan 21 2022

web series 7 exam details the finra series revised 7 general securities representative qualification exam is required of individuals soliciting the purchase or sale of corporate

f7 2021 financial reporting fr study text - Feb 02 2023

web apr 29 2021 acca f7 fr financial reporting walks students through all of the possible scenarios in both of those locations intangible assets include things like branding

final 2017 answers acca paper f financial reporting - Oct 10 2023

web final assessment answers to gain maximum benefit do not refer to these answers until you have completed the final assessment questions and submitted them for

kaplan 2012 final assessment f7 opentuition - Jun 06 2023

web jun 18 2012 final assessment answers are on en gage already if you mean revision mock it comes with pass guarantee therefore they won t put answers up till the

series 7 exam details kaplan financial education - Dec 20 2021

web the regulatory framework preparation of financial statements that conform with ifrs and ias preparation of consolidated financial statements analysis and interpretation of

acca final assessment financial reporting paper f7 int - Aug 08 2023

web 5 marks total 10 marks 10 ka plan publ i sh in g acca paper f7 int financial reporting december 2013 final assessment answers to gain maximum benefit do

kaplan f7 final assessment answers db csda org - Jul 27 2022

web mar 6 2018 acca f7 final assessment june 2014 answers pdf free download here acca paper f7 int financial reporting june 2014 final

f7 final assessment cover and qs s17 j18 pdf course hero - Mar 03 2023

web feb 4 2023 view f7 final assessment cover and qs s17 j18 pdf from econ 572 at boston university final assessment script submission form script marking

[kaplan f7 final assessment answers pdf uniport edu](#) - May 25 2022

web kaplan f7 final assessment answers is available in our book collection an online access to it is set as public so you can download it instantly our book servers hosts in multiple

kaplan f7 final assessment answers kaplan publishing full pdf - Apr 23 2022

web 2 kaplan f7 final assessment answers 2022 01 27 business review press the examining team reviewed f7 practice revision kit provides invaluable guidance on

prepare to pass acca global - Jan 01 2023

web buy an f7 approved content provider study text and question and answer bank to ensure exam success these provide the most up to date content and syllabus coverage

kaplan f7 final assessment answers pdf uniport edu - Feb 19 2022

web f7 financial reporting fr int and uk exam kit pc mag ifrs 3 business combinations boys life gmat 800 2004 2005 edition financial reporting kaplan f7 final

biology fats chemistry and identification lps - May 11 2023

web fats are an important part of our diet objective in this lab you will 1 learn that all fat molecules are made up of two kinds of smaller molecules glycerol and fatty acids 2 use

[fats chemistry and identification answer key](#) - Jan 07 2023

web mar 31 2023 this fats chemistry and identification answer key as one of the most enthusiastic sellers here will unquestionably be accompanied by the best options to

fats chemistry and identification answer key - Nov 05 2022

web why do we crave them fat detection taste texture and post ingestive effects covers the many factors responsible for the sensory appeal of foods rich in fat this well

fats chemistry and identification answer key pdf uniport edu - Feb 08 2023

web fats chemistry and identification answer key recognizing the artifice ways to get this ebook fats chemistry and identification answer key is additionally useful you have

[fats chemistry and identification answer key](#) - Oct 04 2022

web merely said the fats chemistry and identification answer key is universally compatible with any devices to read microbiology laboratory guidebook united states food

fats chemistry and identification answer key pdf uniport edu - Mar 09 2023

web webfats chemistry and identification answer key decoding fats chemistry and identification answer key revealing the captivating potential of verbal expression in

fats chemistry and identification answer key uniport edu - Jul 01 2022

web fats chemistry and identification answer key a literary masterpiece penned by a renowned author readers set about a transformative journey unlocking the secrets and

fats chemistry and identification answer key 2023 - Apr 29 2022

web in nutrition biology and chemistry fat usually means any ester of fatty acids or a mixture of such compounds most commonly those that occur in living beings or in food the

fats chemistry and identification answer key uniport edu - Nov 24 2021

web mar 28 2023 fats chemistry and identification answer key 1 8 downloaded from uniport edu ng on march 28 2023 by guest fats chemistry and identification answer

fat definition and examples chemistry thoughtco - Apr 10 2023

web jul 8 2023 fats chemistry and identification answer key 1 12 downloaded from uniport edu ng on july 8 2023 by guest fats chemistry and identification answer

fat wikipedia - Mar 29 2022

web 1 what are fats 1 what are fats 2 what are the bad effects of eating too much of fats 3 what are the two major types of fats 4 what is the role of fats 5 why do people in cold

fats chemistry and identification answer key copy - Aug 02 2022

web mar 25 2023 identification answer key and numerous books collections from fictions to scientific research in any way accompanied by them is this fats chemistry and

17 2 fats and oils chemistry libretexts - Jul 13 2023

web sep 15 2022 explain how the fatty acid composition of the triglycerides determines whether a substance is a fat or oil describe the importance of key reactions of

[fats chemistry and identification answer key pdf uniport edu](#) - Sep 22 2021

[fat chemistry worksheet answer key teachengineering](#) - Aug 14 2023

web 7 repeated these step for each of the seven samples all fat is not created equal fat chemistry worksheet answer key plot the melting point of these samples versus the

fats definition meaning dictionary com - Dec 26 2021

web jun 27 2023 this fats chemistry and identification answer key as one of the most functional sellers here will unconditionally be accompanied by the best options to review

[fats chemistry and identification answer key pdf uniport edu](#) - Dec 06 2022

web title fats chemistry and identification answer key author whichissed visionaustralia org 2023 08 23 23 22 47 subject fats chemistry and

[fats quiz nutritional quiz nutrition quizzes food groups and](#) - Feb 25 2022

web handbook of chemistry and physics macromolecular chemistry neet jee main 2023 chemistry volume ii research the key to agricultural progress front of package

fats chemistry and identification answer key - Jun 12 2023

web fats chemistry and identification answer key fats and oils are called triglycerides or triacylglycerols because they are esters composed of three fatty acid units joined to

fats chemistry and identification answer key copy uniport edu - Oct 24 2021

web jun 8 2023 getting this info get the fats chemistry and identification answer key colleague that we provide here and check out the link you could purchase lead fats

fats chemistry and identification answer key - Sep 03 2022

web aspects of food oils and fats from chemistry to food processing to nutrition the book includes sources utilization and classification of oil and fats followed by the next chapter

fatschemistryandidentificationanswerkey - Jan 27 2022

web fats definition cattle fattened and ready for market see more

[fats chemistry and identification answer key download only](#) - May 31 2022

web fats chemistry and identification answer key decoding fats chemistry and identification answer key revealing the captivating potential of verbal expression in