

$\infty \quad 1.67 = \prod \xi + \Delta$   
 $\Sigma \quad 24 \quad 1.67$   
 $= \quad \square \quad +$   
 $\Omega \quad 12 \quad \infty \quad \prod \xi \quad 2.3^2 \quad 12$   
 $\downarrow \quad \downarrow \quad \Sigma \quad (\Sigma) \quad \infty \quad 12.56 = \langle \Delta^2 \rangle \quad \Delta$   
 $\downarrow \quad \downarrow \quad \Sigma \quad + \Delta = \sqrt{\quad} \quad 1.67 = \prod \xi + \Delta$   
 $\downarrow \quad \downarrow \quad \Sigma \quad 56.8$   
 $\downarrow \quad \downarrow \quad \Sigma \quad 95$   
 $\downarrow \quad \downarrow \quad \Sigma \quad \{ 2 \quad \xi \quad 13/78 \}$   
 $\downarrow \quad \downarrow \quad \Sigma \quad \{ 66 \}$   
 $\downarrow \quad \downarrow \quad \Sigma \quad 3/4$   
 $\downarrow \quad \downarrow \quad \Sigma \quad *$   
 $\downarrow \quad \downarrow \quad \Sigma \quad \Pi \quad \prod \xi^{5/8} + \Delta 69 = (\Delta)^2 \prod \xi^{5/8} = 4/5^4 = 66.9\%$

# Proof

Feb. 20 - Mar. 6, 2004



**The Roadside Theater proudly presents...**

$$(\Sigma) \infty 12.56 = \langle \Delta^2 \rangle$$

**P**  
roof

$$\prod^{\%} \$ + \Delta 69 = (\Delta)^2 \prod^{\%} \$ = 4/5^4 = 66.9\%$$

**by David Auburn**

**Directed by**  
**Ron Paoletti**

**Assistant to the Director**  
**Amanda Perzel**

## **The Cast**

Ellen Gallagher ..... *Catherine*  
Tom Helfrich ..... *Robert*  
CPT Ben Grimes ..... *Hal*  
Carolyn Burmedi ..... *Claire*

*Produced through specials arrangements with Dramatists Play Service, Inc.*

## SETTING

*The back porch of a house in Chicago in the fall. The present.*

### ACT ONE

**Scene 1:** Very early in the morning, around 1:00 am

**Scene 2:** Later that morning.

**Scene 3:** That night, very late.

**Scene 4:** The next morning.

### ACT TWO

**Scene 1:** An afternoon, four years earlier.

**Scene 2:** An instant after the end of Act One, Scene Four.

**Scene 3:** The next day, late morning.

**Scene 4:** Winter, three and half years earlier.

**Scene 5:** Morning, a week after Act Two, Scene Three.

## The Company

**Carolyn Burmedi** (*Claire*) teaches English at the University of Heidelberg and has lived in Germany for 14 years. Carolyn is making her Roadside Theater debut, however her credits include performances in *All's Well That Ends Well*, *An Actor's Nightmare*, and *Wiley And The Hairy Man* as well as extensive directing experience. She is originally from Cleveland, Ohio. Carolyn would like to thank her husband, David and her children Cara, Leo, and Johnny for their support.

**Ellen Gallagher** (*Catherine*) is a Buffalo, New York native who came to Germany 1 ½ years ago to care for her nieces. They have now long gone and Ellen has stayed, making a home for herself at Roadside Theater. Her acting credits include *Guys & Dolls*, *Love Letters*, *Fiddler On The Roof* and *The Wizard Of Oz*. She loves travel and karaoke (not always at the same time) and would like to dedicate her performance to her Mom and Dad, Carol and Jack Gallagher, who have always been infinitely supportive of her adventures.

**CPT Ben Grimes** (*Hal*) is from York, PA and works at V Corps HQ, Office of the SJA. He arrived in Germany in January and auditioned for this play on his fourth day in country. This is Ben's Roadside Theater debut, but his previous acting credits include pretending to be an attentive law student and his High School Shakespeare Troupe.

**Tom Helfrich** (*Robert*) claims to be from various locations on the East Coast. Tom is a clinical psychologist now working in schools in the Heidelberg and Mannheim area. He and his wife Jane just began their 20th year in Germany. Tom has appeared in the Roadside productions of *Les Misérables*, *Love Letters* and *Adaptation*. He has also performed at Mannheim's Off Main Street Theater. His performance in this play is dedicated to his daughter Caitlin and also to his mom, Catherine, who died one year ago.

**Ron Paoletti** (*Director*) has been involved with many Roadside productions over the past few years. He's appeared in *Greater Tuna*, *Into The Woods*, *The Music Man*, *Les Misérables*, *The Woman In Black* and *Twelfth Night*, among others; he has helped with the design or production of many of our other shows; and his directing credits include *The Elephant Man*, *Dancing At Lughnasa*, *Sylvia*, *Fuddy Meers* and *Clumsy Custard*. In his day job, Ron is the Special Events coordinator for Heidelberg's MWR program. "Thanks to everyone for getting us here: especially to Brian and Byron for their resolute commitment and incredible hard work. To this great cast, for their insight, creativity and hard work. And to Amanda for her attention to detail and keeping us on the right track, and for bringing together an awesome crew. Mostly, I thank Steffanie for her patience, and Jacki and Robin for making me laugh."

# \* \* \* THE PRODUCTION STAFF \* \* \*

Director .....	Ron Paoletti
Technical Director .....	Dane Winters
Stage Manager .....	Amanda Perzel
Assistant Tech Director & Masonry Specialist .....	Brian Rausch
Sound Operator .....	Dan Stapula
Stage Crew .....	Constance Howard, Claudia Koenig, ..... Carol Mussotter, Nilene Quigley, and Marion Ruck
Set Design .....	Dane Winters, Ron Paoletti, & Brian Rausch
Set Construction .....	Brian Rausch, Byron Wilkinson, Sylvia Rausch, Chris Helfrich, Jane Helfrich, Richard Roberts, Tom Rees, Patrick Rees, Maggie MacFarland, and the cast and crew
Costume Design .....	Ron Paoletti & Amanda Perzel
Props Design .....	Ron Paoletti & Amanda Perzel
Light Design .....	Dane Winters
Sound Design .....	Ron Paoletti
Fire Marshals .....	Brian Rausch, Amanda Perzel & Ron Paoletti
Dialog Coach .....	Sylvia Rausch
Math Consultant .....	Dr. Daniel Cashman
Lobby Display .....	Dr. Tom Zonfrillo, CPT Peter Perzel, ..... Joanne Pack, and Tiffany Goodman
Volunteer Staff Manager .....	Valerie Laragy
Program Design .....	Amanda Perzel & Dane Winters
Poster Design .....	Christina Biggert & Ron Paoletti
Front of House Manager .....	Amanda Perzel
Hospitality Staff .....	Jane Helfrich, Lynn Mattingly, Michiel DeVito, ..... Maritza McGown, Gloria Steed, Marion Laragy, Havi & Armand Lepage, Jan Wotring, Michael Fleck, Doreen Lococo, Bernd Roeder & Victoria Metcalf



*The Roadside Theater is  
a proud member of the  
American Association  
of Community Theatre.*

- ***Unauthorized videotaping or photographs are not allowed during the performance.***
  - ***Please turn off all “handy” cell phones, pagers and beepers.***

***If they are required for an official duty, please turn them into the theater staff who will contact you for a business related call.***

- ***Additional emergency exits are located on either side of the stage behind the black curtains***

# An Examination of Mathematics

$$\frac{1}{a^2} \int \frac{1}{1 + (x/a)^2} dx = \frac{1}{a^2} \int \frac{1}{1 + (u)^2} (a) du$$

In mathematics, a **proof** is a demonstration that, given certain axioms, a statement is necessarily true. The result that is proved to be true is called a theorem. Once a theorem is proved, it can be used as the basis to prove further statements.

A **prime number** (or prime integer, often simply called a "prime" for short) is a positive integer greater than 1 that can only be divided evenly by 1 and itself. For example, the only divisors of 13 are 1 and 13, making 13 a prime number, while the number 24 has divisors 1, 2, 3, 4, 6, 8, 12, and 24, making 24 *not* a prime number.

A statement which is thought to be true but hasn't been proven yet is known as a **Conjecture**.

German mathematician Carl Friedrich **Gauss** contributed to many areas of mathematics, including probability theory, algebra, and geometry. He also applied his mathematical work to theories of electricity and magnetism. Gauss is widely acknowledged as being the most brilliant mathematician who has ever lived.

## Sophie Germain

**Sophie Germain** was born on April 1, 1776 the daughter of a French merchant. Her life was dominated by the turmoil of the French Revolution. The year she discovered her love of numbers, the Bastille was stormed, and her study of calculus was shadowed by the Reign of Terror.

The event that changed her life was when she chanced upon Jean-Étienne Montucla's book *History of Mathematics* in her father's library. She immediately set about teaching herself the basics of number theory and calculus. In 1794, the Ecole Polytechnique opened in Paris. It was founded as an academy of excellence to train mathematicians and scientists, but it was an institution reserved only for men. So she resorted to covertly studying at the Ecole by assuming the identity of a former student at the academy, Monsieur Antoine-August Le Blanc.

Germain then grew in confidence and she moved from solving problems in her course work to studying unexplored areas of mathematics. This led her to corresponding with Carl Friedrich Gauss, the greatest mathematician of the time, still using the pseudonym of Le Blanc. As a result of her research, she received a medal from the Institut de France and became the first woman, who was not a wife of a member, to attend lectures at the Academy of Sciences. Towards the end of her life, she re-established her relationship with Carl Gauss, who convinced the University of Göttingen to award her an honorary degree. Tragically, before the university could bestow the honor upon her, Sophie Germain died of breast cancer.

H.J. Mozans, an historian and author of *Women in Science*, said of Germain:  
*All things considered, she was probably the most profoundly intellectual woman that France has ever produced.*

# \*\*\*\*\* THE ROADSIDE THEATER \*\*\*\*\*

## PROGRAM INFORMATION

The Roadside Theater is a part of the 411th BSB - Morale, Welfare and Recreation program. For over 40 years, we have served servicemen, their families, civilians, and their invited guests in and around the Heidelberg area.

Our mission is to provide our community members the opportunity to see a variety of outstanding theater productions. We also provide a place for community members to learn and practice skills in all areas of the performing arts. Additionally, the Roadside Theater assists the command in developing host nation relations through the participation of local citizens of all nationalities and through important cultural exchange.

We offer a full season of comedies, dramas and musicals, as well as Shakespeare in the Park, children's theater workshops, concerts and special events such as Hispanic Heritage and Black History Month celebrations. Additionally, we host the annual *US Army Europe Entertainment One Act Play Festivals* and the *US Army Europe Entertainment Tournament of Plays Awards Event*.

Roadside Theater productions have consistently won awards at regional, national and international competitions and festivals. We have competed in the U.S. National AACT Festival, and we have sent productions to international festivals in Scotland and Ireland. We presented the World American Community Theater Premieres of *LES MISÉRABLES*, *WIT* and *IN THE BEGINNING*; the European Premieres of *THE WILL ROGERS FOLLIES*, *PUTTING IT TOGETHER* and *THE GOODBYE GIRL*; and the European premiere of two works by Tennessee Williams.

## GET INVOLVED!

The Roadside is open to everyone. Open auditions are held for each production and no experience is required. We are always looking for directors, choreographers, costumers, carpenters, painters, electricians and much more. It is also a great way to meet new friends. To get involved, contact the Roadside Theater.

## \*\*\*\*\* BOX OFFICE INFORMATION \*\*\*\*\*

**Building 109, Patton Barracks**

**Box Office Hours:** Tuesday through Friday, 12-5 p.m.

**Telephone:** DSN 373-5020 or CIV 06221- 17 5020

**Website:** [www.roadsidetheater.com](http://www.roadsidetheater.com)

## TICKETING AND RESERVATIONS POLICY

Due to the growing popularity and limited number of performances, reservations are recommended. Ticket reservations can be made:

- At the box office during operating hours
- by telephone during operating hours
- by email at [info@roadsidetheater.com](mailto:info@roadsidetheater.com)
- through the Roadside Theater Website at [www.roadsidetheater.com](http://www.roadsidetheater.com)

We request prepayment and pick up of tickets before the night of the performance. Unpaid reservations will be released no later than 30 minutes before the performance. Reservations after this time are not guaranteed. Unsold tickets are offered 30 minutes before curtain as general admission tickets. We kindly ask you to notify us of cancellations or changes in the number of your party so we can provide these tickets to other community members.

ANNOUNCING AUDITIONS FOR....

*The*  
**Lion**  
*in Winter*



by James Goldman

**Feb. 25 & 26**  
**at 7 p.m.**

As always, auditions are open to everyone and no experience is required. This thrilling fictional history calls for 1 man, 45-60 yrs; 1 woman, 40-60 yrs; 1 woman, 18-25 yrs, and 4 men, 15-45 yrs. The theater is also looking for stage crew, costumers, hospitality staff and technical help. Perusal scripts are available through the Roadside Theater. This production will be directed by Dane Winters

*More information is available at the Roadside Theater:  
[www.roadsidetheater.com](http://www.roadsidetheater.com); or by calling DSN 373-5020  
or civilian: 06221-175020; Tues. though Fri. from 12 to 5 p.m.  
Non-US. ID Cardholders MUST call with passport information to be admitted.*

**\*\*\*\* ACKNOWLEDGEMENTS \*\*\*\***

**Brian Rausch & Byron Wilkinson** for countless hours of assistance and support;

**Mr. Craig Cugini, Herr Strehmel & Hauptmann Fragosa** of the Force Protection Office for assistance in gate clearance for our guests;

**Tim Higdon & U. S. Army Entertainment, Washington, D.C.,** for copyright clearance;

**James Sohre, USAREUR Entertainment Director** for invaluable support of the Roadside and all USAREUR Entertainment programs;

*and the many volunteers and patrons whose support and assistance make Roadside Theater productions possible.*

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**\*\*\* 411<sup>TH</sup> BSB COMMAND \*\*\***

LTC Diane M. Vanderpot ..... Community Commander  
CSM Carlos Skinner ..... Command Sergeant Major  
Mr. Mike O'Donnell ..... Director, MWR

**\*\*\* THE ROADSIDE THEATER STAFF \*\*\***

Dane Winters ..... Entertainment Branch Director  
Amanda Perzel ..... Business Manager  
Dale Coldwells ..... Technical Assistant

**\*\*\* Roadside Volunteer Staff \*\*\***

Brian Rausch ..... Assistant Technical Director  
Valerie Laragy ..... Volunteer Coordinator  
Ron Paoletti ..... Web Master  
Patrick Rees ..... Aid  
Maggie MacFarland ..... Career Practicum Assistant