

# The TMTA Bulletin

Volume 57, Issue 2

September 2012

Contest Bulletin  
SEPTEMBER 21 & 22, 2012

SPONSORED BY:



TENNESSEE MATHEMATICS TEACHERS ASSOCIATION

## TABLE OF CONTENTS

TMTA Executive Committee & Affiliates .....	3-4
State Top Ten Lists .....	5-7
Regional Results .....	7-13
Teachers Honor Roll .....	14-15
Keynote Speaker .....	16
Math Conferences Information .....	17

For Conference Information and Useful Tools Please Visit:

[www.tmta.info](http://www.tmta.info)

[www.nctm.org](http://www.nctm.org)



## TMTA EXECUTIVE COMMITTEE

### **President, Holly Anthony**

Tennessee Tech University  
Box 5042, Cookeville, TN 38505  
Work: 931.372.3854  
E-mail: hanthony@ntech.edu

### **Past President, Eddie Keel**

Haywood High School  
1175 East College, Brownsville, TN 38012  
Work  
Work: 731.772.1845  
Fax: 731.772.6079  
E-mail: keelmath@bellsouth.net OR keele@k12tn.net  
Home: 560 Indian Trail, Medina, TN 38355

### **President-Elect, To Be Elected This Weekend!**

### **Secretary, Steve Gadbois**

Memphis University School  
6191 Park Avenue, Memphis, TN 38119  
Cell: 901.278-4116  
Fax: 901.260.1325  
E-mail: steve.gadbois@musowls.org

### **Treasurer, Stephanie Kolitsch**

UT Martin  
424 Humanities, Martin, TN 38238  
Work: 731.881.7477  
Fax: 731.881.1407  
E-mail: styler@utm.edu

### **NCTM Representative and Parliamentarian, Ann Indingaro**

E-mail: aindingaro@gmail.com  
Home: 4666 Marcel Ave., Memphis, TN 32122

### **Vice-President for Elementary, Lynda Gunter**

Kenrose Elementary  
Work: 615.472.4630  
Fax: 615.472.4646  
Cell: 615.330.6222  
E-mail: lyndag@wcs.edu  
Home: 897 Holly Tree Gap Road, Brentwood, TN  
37027

### **Vice-President for Middle Schools, Lois Coles**

Brentwood Middle School  
Work: 615.472.4250  
Cell: 615.974.2565  
E-mail: loisc@wcs.edu  
Home: 211 St. Andrews, Franklin, TN 37069  
Home: 615:646.2861

### **Vice-President for Secondary Schools, Alice Carson**

Karns High School  
1223 Hearthstone Lane, Knoxville, TN 37923  
Email: alice.carson@knoxschools.org

### **Vice-President for Two-Year Colleges, David Atkins**

Walters State Community College  
Mathematics Department  
500 South Davy Crockett Parkway, Morristown, TN  
37813-6899  
Work: 865.774.5834  
Fax: 865.774.5804  
E-mail: david.atkins@ws.edu

### **Vice-President for Colleges/University, Carroll Wells**

Lipscomb University  
Department of Mathematics  
One University Park Drive, Nashville, TN 37204-3951  
Work: 615.966.5835  
Fax: 615.966.1830  
E-mail: Carroll.Wells@lipscomb.edu

### **Examinations Director, Thomas Bass**

Carson-Newman College  
Department of Mathematics & Physics  
Box 72037, Jefferson City, TN 37760  
Work: 865.471.3263  
Fax: 865.471.3826  
E-mail: tbass@cn.edu

### **Contest Coordinator, Jackie Vogel**

Austin Peay State University  
Clarksville, TN 37044  
Work: 931.221.7637  
Fax: 931.221.6354  
E-mail: vogelj@apsu.edu  
Home: 1107 Gleaves Glen Drive, Mt. Juliet, TN 37122



**Contest Awards Chair, Desireé McCullough**  
University of Tennessee at Martin  
327 Administration Building, Martin TN 38238  
Work: 731.881.7014  
Fax: 731.881.7503  
Email: dmccull1@utm.edu

**TMTA Bulletin Editor, Kathy Eskew**  
University of Tennessee at Martin  
Cell: 731.514.0496  
E-mail: eskewks@gmail.com

**Membership Coordinator, Pat Tyree**  
Brentwood Academy  
E-mail: pat\_tyree@brentwoodacademy.com  
Home: 6329 Mapledale Lane, Brentwood, TN 37027

**Statistician, Barbara Ward**  
Belmont University  
1900 Belmont Blvd., Nashville, TN 37212  
Work: 615.460.6200  
Fax: 615.460.5458  
E-mail: barbara.ward@belmont.edu  
Home: 5884 Fredericksburg Drive, Nashville, TN 37215

### TMTA AFFILIATES

**CAMTA**  
Chattanooga Area Mathematics Teachers' Association  
Deborah McAllister  
University of Tennessee – Chattanooga  
Deborah-McAllister@utc.edu

**MAC-O-TOM**  
Memphis Area Council of Teachers of Mathematics  
Phillip Stalls  
Memphis University School  
phillip.stalls@musowls.org

**MT<sup>2</sup>-NW**  
Mathematics Teacher of Tennessee – Northwest  
George Moss  
Union University  
gmoss@uu.edu

**(MT)<sup>2</sup>**  
Middle Tennessee Mathematics Teachers  
Cyndy Howes  
Ravenwood High School  
cyndyh@wcs.edu

**SM<sup>2</sup>EA**  
Smoky Mountain Mathematics Educators' Association  
Connie Boyd  
connie.boyd@knoxschools.org

**TMATYC**  
Tennessee Mathematics Association for Two Year  
Colleges  
Maggie Flint  
Northeast State Technical Community College  
mrflint@NortheastState.edu

**UETCTM**  
Upper East Tennessee Council of Teachers of  
Mathematics  
Tara Harrell  
Hawkins County Schools  
tara.harrell@hck12.net

**TAMTE**  
Tennessee Association of Mathematics Teacher  
Educators  
Mary Lou Witherspoon  
Austin Peay State University  
witherspoonm@apsu.edu

For more information, please visit:  
<http://www.tmta.info/>



## TMTA Math Contest 2012 Top 10 Mathletes

### State Top Ten - Algebra I

Rank	Name	School	City	Teacher
1	Ni, Brendan	Woodland Middle School	Brentwood	Kate Hauck
1	Yen, Alec	East Middle School	Tullahoma	Trent Stout
1	Yoshida, Kaito	Oakland Middle School	Murfreesboro	Giny Hamby
1	Zhao, Xueqing	Houston Middle School	Germantown	Pamela Tate
5	Enyenihi, Liz	Farragut Middle School	Knoxville	Scott Frieling
5	Huang, Tony	Montgomery Bell Academy	Nashville	Maggie Qian
5	Hwang, Sun-Bin	Ezell-Harding Christian School	Antioch	Joy Webb
5	Liu, Allen	The McCallie School	Chattanooga	Cary Hubbard
5	Petty, Rick	Pope John Paul II High School	Hendersonville	Brian Sneed
5	Rosenthal, Ben	Montgomery Bell Academy	Nashville	Maggie Qian
5	Su, Lisha	Houston Middle School	Germantown	Reginald Gibson

### State Top Ten - Geometry

Rank	Name	School	City	Teacher
1	Ding, Tony	Montgomery Bell Academy	Nashville	Maggie Qian
2	Yan, Daniel	Farragut Middle School	Knoxville	Angela Buckman
3	Zhang, Alvin	Montgomery Bell Academy	Nashville	Maggie Qian
3	Zhang, David	Kenwood High School	Clarksville	Warren Everett
5	Ye, Xiaokai	Hardin Valley Academy	Knoxville	Gerri Parker
6	Hiester, Luke	Sullivan South High School	Kingsport	Sharon Browder
7	Kim, Michael	The McCallie School	Chattanooga	Tom Makepeace
8	Kim, Soojin	Farragut High School	Knoxville	Angela Buckman
8	Subraveti, Vamsi	MLK Academic Magnet High School	Nashville	Deede Melder
10	Tancredi, Daniel	Memphis University School	Memphis	Leigh Packard

### State Top Ten - Algebra II

Rank	Name	School	City	Teacher
1	Copeland, Jacob	York Institute	Jamestown	Angel Beaty
1	Daniel, Adam	Tullahoma High School	Tullahoma	Amber Charboneau
1	Dean, Christopher	Cookeville High School	Cookeville	Linda Carlen
1	Edwards, Daniel	Pope John Paul II High School	Hendersonville	Amanda Youell
1	Ellingham, Sophia	MLK Academic Magnet High School	Nashville	James Campbell
1	Erwin, Austin	Collierville High School	Collierville	Pam Kendall
1	Espeland, Bennett	Dobyns-Bennett High School	Kingsport	Earletta Stamper
1	Henry, Jake	Brentwood High School	Brentwood	Vivia Smith
1	Hu, Liana	Farragut Middle School	Knoxville	Angela Buckman
1	Kim, Young-Hun	Hume-Fogg Academic High School	Nashville	Paula Burgess
1	Li, Gene	Ravenwood High School	Brentwood	Brian Weaver
1	Liu, Cindy	Dobyns-Bennett High School	Kingsport	Earletta Stamper
1	Lounsbury, Joshua	Farragut High School	Knoxville	Margaret Santich
1	Muralidharan, Shreyas	Farragut High School	Knoxville	Margaret Santich



## TMTA Math Contest 2012 Top 10 Mathletes

### State Top Ten - Algebra II - continued

<b>Rank</b>	<b>Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Nuako, Akua	University School Of Jackson	Jackson	Donald Newman
1	Perumalla, Aniruddha	Farragut High School	Knoxville	Elaine Wolfe
1	Pugh, Jordan	Montgomery Bell Academy	Nashville	Maggie Qian
1	Singh, Arunabh	Houston High School	Germantown	Sandra Davis
1	Taylor, Zachary	Riverdale High School	Murfreesboro	Gail Lewis
1	Throckmorton, Cal	Christian Brothers High School	Memphis	Shawn Morgan
1	Vacaliuc, Gabe	Jefferson Middle School	Oak Ridge	Elaine Vaughn
1	Villarreal, John	University School Of Jackson	Jackson	Donald Newman
1	Wang, Lin-Fei	Hendersonville High School	Hendersonville	Elizabeth Anderson
1	Xiang, Stanley	Ravenwood High School	Brentwood	Brian Weaver
1	Zheng, Jeffrey	Memphis University School	Memphis	Steve Gadbois

### State Top Ten - Statistics

<b>Rank</b>	<b>Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Chen, Beck	Baylor School	Chattanooga	Marti Wayland
2	Eddleman, Kimberly	Brentwood High School	Brentwood	Jerry Stelmaszak
2	Habermann, Arun	Montgomery Bell Academy	Nashville	Jim Shackelford
2	Lee, Fizay	Baylor School	Chattanooga	Marti Wayland
2	Perlin, Ben	Ensworth High School	Nashville	Sharon Glenn
2	Scherrer, Joe	Montgomery Bell Academy	Nashville	Jim Shackelford
7	Cui, Kiara	Cookeville High School	Cookeville	Donna Johnson
7	Subramani, Nishant	Ravenwood High School	Brentwood	Suzanne Nuccio
9	Condron, Chase	Maryville High School	Maryville	Nate Lee
10	Jaques, Skyler	Central Magnet School	Murfreesboro	Emily Hines

### State Top Ten – Pre-Calculus

<b>Rank</b>	<b>Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Fu, Jason	Farragut High School	Knoxville	Angela Buckman
1	Sullivan, Garret	Memphis University School	Memphis	Nancy Gates
3	Bao, Sharon	Farragut High School	Knoxville	Angela Buckman
3	Kang, Joyce	Brentwood High School	Brentwood	Betty Hood
3	Ouyang, Richard	Memphis University School	Memphis	Nancy Gates
6	Tidwell, William	Montgomery Bell Academy	Nashville	John Lanier
7	Sun, Kevin	Collierville High School	Collierville	Shawn Abel
7	Yu, Melissa	Farragut High School	Knoxville	Angela Buckman
9	Widjaja, Jordan	Ravenwood High School	Brentwood	Mary Hawken
10	Zhao, Yunhua	Memphis University School	Memphis	Mike Gunn



## TMTA Math Contest 2012 Top 10 Mathletes

### State Top Ten – Calculus and Advanced Topics

<b>Rank</b>	<b>Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Gudibanda, Aditya	Hume-Fogg Academic High	Nashville	Karen Boles
2	Ding, Frances	Ravenwood High School	Brentwood	Cindy Howes
3	Davis, Jared	Tullahoma High School	Tullahoma	Frank Vanzant
4	Arildsen, Mark	University School of	Nashville	Bruce Hughes
4	Sastry, Karthik	Montgomery Bell Academy	Nashville	Bill Compton
4	Schaumann, Jared	Fred J. Page High School	Franklin	Peter Wade
4	Skelton, Heath	Tullahoma High School	Tullahoma	Frank Vanzant
8	Graves, Daniel	Tullahoma High School	Tullahoma	Frank Vanzant
9	Wang-Pavao, Lawrence	Farragut High School	Knoxville	Wanda Lacy
10	Andress, James	Oak Ridge High School	Oak Ridge	Benita Albert

## East Tennessee Regional Results

### ALGEBRA 1

<b>Rank</b>	<b>Last Name, First Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Enyenihi, Liz	Farragut Middle	Knoxville	Scott Frieling
1	Liu, Allen	The McCallie School	Chattanooga	Cary Hubbard
3	Sukitjavanich, Chachthida	Gatlinburg Pittman High	Gatlinburg	Carol Pullium
4	Harner, Nathan	Seymour High	Seymour	Katie McCrackey
5	Wingard, Patrick	Farragut Middle	Knoxville	Randy Swartzentruber
5	Garber, John	Jefferson Co. High	Jefferson City	Mary Nester
7	Aslinger, Maclain	The McCallie School	Chattanooga	Cary Hubbard
8	Bass, Joseph	Morristown-Hamblen High School West	Morristown	Linda Sedlack
9	Ghatak, Maitraya	Bearden High	Knoxville	Jill McElroy
10	Porter, Kerri	West View Middle	Morristown	Chris Greene

### GEOMETRY

<b>Rank</b>	<b>Last Name, First Name</b>	<b>School</b>	<b>City</b>	<b>Teacher</b>
1	Yan, Daniel	Farragut Middle School	Knoxville	Angela Buckman
2	Ye, Xiaokai	Hardin Valley Academy	Knoxville	Gerri Parker
3	Hiester, Luke	Sullivan South High	Kingsport	Sharon Browder
4	Kim, Michael	The McCallie School	Chattanooga	Tom Makepeace
5	Kim, Soojin	Farragut High School	Knoxville	Angela Buckman
6	Hines, Samuel	Greeneville High	Greeneville	Barbra Clanton
7	Kyuragi, Yuta	Maryville High School	Maryville	Stacey Travis
8	Michieka, Eunice	Science Hill High School	Johnson City	Glenda Connor
9	Gao, Lily	Farragut Middle School	Knoxville	Angela Buckman
10	Bohling, David	William Blount High School	Maryville	Lisa Heath



## East Tennessee Regional Results - continued

### ALGEBRA II

Rank	Last Name, First Name	School	City	Teacher
1	Espeland, Bennett	Dobyns-Bennett High School	Kingsport	Earletta Stamper
1	Hu, Liana	Farragut Middle School	Knoxville	Angela Buckman
1	Liu, Cindy	Dobyns-Bennett High School	Kingsport	Earletta Stamper
1	Lounsbury, Joshua	Farragut High School	Knoxville	Margaret Santich
1	Muralidharan, Shreyas	Farragut High School	Knoxville	Margaret Santich
1	Perumalla, Aniruddha	Farragut High School	Knoxville	Elaine Wolfe
1	Vacaliuc, Gabe	Jefferson Middle School	Oak Ridge	Elaine Vaughn
8	Butler, Preston	Maryville High School	Maryville	Ashly Porter
9	Burgess, Emily	Dobyns-Bennett High School	Kingsport	Earletta Stamper
9	Chenot, Haley	Farragut High School	Knoxville	Margaret Santich
9	Choi, Yoonsun	Baylor School	Chattanooga	Adam Weaver
9	Gilbert, Luke	William Blount High School	Maryville	Carolyn Grider
9	Gwin, Mary	Girls Preparatory School	Chattanooga	Robin Priest
9	Haselwander, Austin	The McCallie School	Chattanooga	Ross Shumate
9	Holt, Joshua	Dobyns-Bennett High School	Kingsport	Earletta Stamper
9	Hong, Kevin	Farragut Middle School	Knoxville	Margaret Santich
9	Spady, Rachel	Science Hill High School	Johnson City	Jennifer Penley
9	Strasser, Alex	Dobyns-Bennett High School	Kingsport	Earletta Stamper
9	Thompson, Jacob	Sullivan South High School	Kingsport	Sharon Browder
9	Xue, Albert	West Valley Middle School	Knoxville	Carole Packett
9	Zhang, Katherine	Oak Ridge High School	Oak Ridge	Karla Mullins

### STATISTICS

Rank	Last Name, First Name	School	City	Teacher
1	Chen, Beck	Baylor School	Chattanooga	Marti Wayland
2	Lee, Fizay	Baylor School	Chattanooga	Marti Wayland
3	Condron, Chase	Maryville High School	Maryville	Nate Lee
4	Jack, Benjamin	Dobyns-Bennett High	Kingsport	Bethany Tate
5	Chen, Matthew	Baylor School	Chattanooga	Adam Weaver
5	Won, Jon	Baylor School	Chattanooga	Marti Wayland
7	Park, Jaesuk	Baylor School	Chattanooga	Marti Wayland
8	Haque, Saajid	Oak Ridge High School	Oak Ridge	Thomas Gilliam
8	Lau, Christie	Dobyns-Bennett High	Kingsport	Bethany Tate
10	Garza, Daniel	Maryville High School	Maryville	Nate Lee





## East Tennessee Regional Results - continued

### PRE-CALCULUS

Rank	Last Name, First Name	School	City	Teacher
1	Fu, Jason	Farragut High School	Knoxville	Angela Buckman
2	Bao, Sharon	Farragut High School	Knoxville	Angela Buckman
3	Yu, Melissa	Farragut High School	Knoxville	Angela Buckman
4	Wang, Stephen	Science Hill High School	Johnson City	Guy Mauldin
5	Simonsen, Andrew	Science Hill High School	Johnson City	Guy Mauldin
6	Mulay, Sanat	Hardin Valley Academy	Knoxville	Teresa Sexton
7	Joo, Hyungdon	Farragut High School	Knoxville	Angela Buckman
8	Wintenberg, Andrew	Farragut High School	Knoxville	Angela Buckman
9	Ray, Michael	The McCallie School	Chattanooga	Rob Lyons
10	Thelen, Michael	Signal Mountain Middle High School	Signal Mountain	Kathy McCormack

### CALCULUS AND ADVANCED TOPICS

Rank	Last Name, First Name	School	City	Teacher
1	Wang-Pavao, Lawrence	Farragut High School	Knoxville	Wanda Lacy
2	Andress, James	Oak Ridge High School	Oak Ridge	Benita Albert
3	Foust, Benjamin	Oak Ridge High School	Oak Ridge	Benita Albert
4	Vorjohan, Bradley	Maryville High School	Maryville	John Roop
5	Caughman, John	Oak Ridge High School	Oak Ridge	Benita Albert
6	Tran, Lam	Farragut High School	Knoxville	Wanda Lacy
7	Chu, Eric	Science Hill High School	Johnson City	Guy Mauldin
8	Pawel, Gregory	Oak Ridge High School	Oak Ridge	Benita Albert
9	Senter, James	Oak Ridge High School	Oak Ridge	Benita Albert
10	Holt, Hunter	Dobyns Bennett High School	Kingsport	Beth Tate

## Middle Tennessee Regional Results

### ALGEBRA I

Rank	Last Name, First Name	School	City	Teacher
1	Ni, Brendan	Woodland Middle School	Brentwood	Kate Hauck
1	Yen, Alec	East Middle School	Tullahoma	Trent Stout
1	Yoshida, Kaito	Oakland Middle School	Murfreesboro	Giny Hamby
4	Hwang, Sun-Bin	Ezell-Harding	Antioch	Joy Webb
4	Huang, Tony	Montgomery Bell Academy	Nashville	Maggie Qian
4	Petty, Rick	Pope John Paul II	Hendersonville	Brian Sneed
4	Rosenthal, Ben	Montgomery Bell Academy	Nashville	Maggie Qian
8	Choi, Molly	Woodland Middle School	Brentwood	Debra Bade
9	Young, Dryden	West Middle School	Tullahoma	Fay Neel
10	Dean, Johnathan	Avery Trace Middle School	Cookeville	Jason Summers
10	Pao, Lucas	University School of Nashville	Nashville	Sarah Ice
10	Reside, Anna	Martin Luther King Jr. High School	Nashville	Debra Smotherman



## Middle Tennessee Regional Results - continued

### GEOMETRY

Rank	Last Name, First Name	School	City	Teacher
1	Ding, Tony	Montgomery Bell Academy	Nashville	Maggie Qian
2	Zhang, Alvin	Montgomery Bell Academy	Nashville	Maggie Qian
2	Zhang, David	Kenwood High School	Clarksville	Warren Everett
4	Subraveti, Vamsi	MLK School for the Health Sciences & Engineering	Nashville	Deede Melder
5	Ahmed, Zheer	Martin Luther King Magnet School	Nashville	Sharon Smith
6	Zhang, Siqi	Lipscomb Academy	Nashville	Lenn Prady
7	Son, Eejung	The Webb School	Bell Buckle	Sandra Truitt
8	Luna, Benjamin	Avery Trace Middle School	Cookeville	Jason Summers
9	Yao, Xiuya	Martin Luther King Jr. Magnet High School	Nashville	Deede Melder
10	Ward, Alexandria	Hendersonville High School	Hendersonville	Beasley

### ALGEBRA II

Rank	Last Name, First Name	School	City	Teacher
1	Copeland, Jacob	York Institute	Jamestown	Angel Beaty
1	Daniel, Adam	Tullahoma High School	Tullahoma	Amber Charboneau
1	Dean, Christopher	Cookeville High School	Cookeville	Linda Carlen
1	Edwards, Daniel	Pope John Paul II	Hendersonville	Amanda Youell
1	Ellingham, Sophia	Martin Luther King Jr. Magnet High School	Nashville	James Campbell
1	Henry, Jake	Brentwood High School	Brentwood	Vivia Smith
1	Kim, Young-Hun	Hume-Fogg Academic High School	Nashville	Paula Burgess
1	Li, Gene	Ravenwood High School	Brentwood	Brian Weaver
1	Pugh, Jordan	Montgomery Bell Academy	Nashville	Maggie Qian
1	Taylor, Zachary	Riverdale High School	Murfreesboro	Gail Lewis
1	Wang, Lin-Fei	Hendersonville High School	Hendersonville	Anderson
1	Xiang, Stanley	Ravenwood High School	Brentwood	Brian Weaver

### STATISTICS

Rank	Last Name, First Name	School	City	Teacher
1	Eddleman, Kimberly	Brentwood High School	Brentwood	Jerry Stelmaszak
1	Habermann, Arun	Montgomery Bell Academy	Nashville	Jim Shackelford
1	Perlin, Ben	Ensworth High School	Nashville	Sharon Glenn
1	Scherrer, Joe	Montgomery Bell Academy	Nashville	Jim Shackelford
5	Cui, Kiara	Cookeville High School	Cookeville	Donna Johnson
5	Subramani, Nishant	Ravenwood High School	Brentwood	Suzanne Nuccio
7	Jaques, Skyler	Central Magnet School	Murfreesboro	Emily Hines
8	Ownby, Miles	Siegel High School	Murfreesboro	Amber Matuszewski
8	Scheriger, Michael	Pope John Paul II	Hendersonville	Bryan White
8	Amarthaluru, Venkata	Ravenwood High School	Brentwood	Suzanne Nuccio



## Middle Tennessee Regional Results - continued

### PRECALCULUS

Rank	Last Name, First Name	School	City	Teacher
1	Kang, Joyce	Brentwood High School	Brentwood	Betty Hood
2	Tidwell, William	Montgomery Bell Academy	Nashville	John Lanier
3	Widjaja, Jordan	Ravenwood High School	Brentwood	Mary Hawken
4	Bu, Tom	Montgomery Bell Academy	Nashville	Mike Davidson
5	Glick, Zachary	Ravenwood High School	Brentwood	Cindy Howes
6	Velkovsky, Ivan	Hume-Fogg Academic High School	Nashville	Michael Caldwell
7	Macey, Jake	Montgomery Bell Academy	Nashville	John Lanier
8	Hetherington, Austin	Ravenwood High School	Brentwood	Mary Hawken
9	Sinard, Rebecca	Brentwood High School	Brentwood	Christy Feiler
10	Chadalavada, Kalyan	Montgomery Bell Academy	Nashville	Mike Davidson
10	Feng, Bowen	Hume-Fogg Academic High School	Nashville	Michael Caldwell

### CALCULUS

Rank	Last Name, First Name	School	City	Teacher
1	Gudibanda, Aditya	Hume-Fogg Academic High School	Nashville	Karen Boles
2	Ding, Frances	Ravenwood High School	Brentwood	Cindy Howes
3	Davis, Jared	Tullahoma High School	Tullahoma	Frank Vanzant
4	Arildsen, Mark	University School of Nashville	Nashville	Bruce Hughes
4	Sastry, Karthik	Montgomery Bell Academy	Nashville	Bill Compton
4	Schaumann, Jared	Fred J. Page High School	Franklin	Peter Wade
4	Skelton, Heath	Tullahoma High School	Tullahoma	Frank Vanzant
8	Graves, Daniel	Tullahoma High School	Tullahoma	Frank Vanzant
9	Carpenter, Jared	Tullahoma High School	Tullahoma	Frank Vanzant
9	Dorman, Travis	Tullahoma High School	Tullahoma	Frank Vanzant
9	Young, Dylan	University School of Nashville	Nashville	Cynthia Crenshaw



## West Tennessee Regional Results

### ALGEBRA I

Rank	Last Name, First Name	School	City	Teacher
1	Zhao, Xueqing	Houston Middle School	Germantown	Pamela Tate
2	Su, Lisha	Houston Middle School	Germantown	Reginald Gibson
3	Suppiah, Jacob	Memphis University School	Memphis	Loyal Murphy
4	Orr, Patton	Memphis University School	Memphis	Leigh Packard
5	Patra, Shashwat	Appling Middle School	Bartlett	Sharon Clark
6	Smith, Matthew	University School of Jackson	Jackson	Carla Roach
7	Eikner, Brooks	Memphis Univ. Sch.	Memphis	Loyal Murphy
8	Ahmad, Maryam	University School of Jackson	Jackson	Carla Roach
8	Jankov, Katarina	Houston Middle School	Germantown	Reginald Gibson
10	Hickerson, Houston	Jackson Christian School	Jackson	Melanie Brown

### GEOMETRY

Rank	Last Name, First Name	School	City	Teacher
1	Tancredi, Daniel	Memphis University School	Memphis	Leigh Packard
2	Murphy, Patrick	Memphis University School	Memphis	Leigh Packard
3	Li, Roger	Collierville High School	Collierville	Shelli Brasher
4	Lin, Jin	White Station High School	Memphis	Deborah Sicola
4	Sun, Shuyi	White Station High School	Memphis	Deborah Sicola
6	Coffman, Ben	University School of Jackson	Jackson	Donald Newman
6	Fesmire, Witt	Memphis University School	Memphis	Leigh Packard
8	Lee, Grayson	Memphis University School	Memphis	Leigh Packard
9	Gottlieb, Augustus	White Station High School	Memphis	Deborah Sicola
9	Gopal, Krishna	Houston High School	Germantown	Sharon Reeder

### ALGEBRA II

Rank	Last Name, First Name	School	City	Teacher
1	Erwin, Austin	Collierville High School	Collierville	Pam Kendall
1	Nuako, Akua	University School of Jackson	Jackson	Donald Newman
1	Singh, Arunabh	Houston High School	Germantown	Sandra Davis
1	Throckmorton, Cal	Christian Brothers High School	Memphis	Shawn Morgan
1	Villarreal, John	University School of Jackson	Jackson	Donald Newman
1	Zheng, Jeffrey	Memphis University School	Memphis	Steve Gadbois
7	Boettner, Jessica	Greenfield High School	Greenfield	Linda Farmer
7	Dash, Anwesh	White Station High School	Memphis	Susan Campbell
9	Ganoo, Saie	Collierville High School	Collierville	Pam Kendall
9	Lee, Matthew	Christian Brothers High School	Memphis	Shawn Morgan
9	Little, Colton	University School of Jackson	Jackson	Donald Newman
9	Stedke, Alexandra	Briarcrest High School	Memphis	Annette Hardcastle
9	Timmins, Sarah	St. Benedict at Auburndale	Cordova	Annette Dabaldo



## West Tennessee Regional Results - Continued

### STATISTICS

Rank	Last Name, First Name	School	City	Teacher
1	Nguyen, Steven	White Station High School	Memphis	Rebecca Newman
2	Russell, Jake	Bolton High School	Arlington	David Offerle
3	Inaba, Yuki	White Station High School	Memphis	Susan Campbell
4	Therrell, Holliday	Collierville High School	Collierville	Matthew Holmes
5	Wang, Kevin	White Station High School	Memphis	Susan Campbell
6	Padmanabha, Akshay	Houston High School	Germantown	Christopher Stevens
7	Franklin, Nathan	Memphis University School	Memphis	Darin Clifft
8	Wilensky, Andrew	Memphis University School	Memphis	Darin Clifft
9	Nathani, Ashish	Memphis University School	Memphis	Darin Clifft
10	Bacon, Matthew	St. Benedict at Auburndale	Cordova	Don Madeksho
10	Feler, Nathan	Memphis University School	Memphis	Darin Clifft
10	Williams, Katherine	Houston High School	Germantown	Christopher Stevens

### PRE-CALCULUS

Rank	Last Name, First Name	School	City	Teacher
1	Sullivan, Garret	Memphis University School	Memphis	Nancy Gates
2	Ouyang, Richard	Memphis University School	Memphis	Nancy Gates
3	Sun, Kevin	Collierville High School	Collierville	Shawn Abel
4	Zhao, Yunhua	Memphis University School	Memphis	Mike Gunn
5	Lamb, William	Memphis University School	Memphis	Nancy Gates
6	Gayoso, Matthew	Memphis University School	Memphis	Nancy Gates
7	Liang, Jason	Collierville High School	Collierville	Shawn Abel
8	Haque, Salman	Memphis University School	Memphis	Nancy Gates
9	Mohan, Sukriti	St. Mary's Episcopal	Memphis	Sandra Halfacre
10	Field, Forrest	Memphis University School	Memphis	Mike Gunn

### CALCULUS AND ADVANCED TOPICS

Rank	Last Name, First Name	School	City	Teacher
1	Zuo, Daniel	White Station High School	Memphis	Rebecca Newman
2	Ritchie, James	Collierville High School	Collierville	Curtis Justus
3	Hoang, Lawrence	White Station High School	Memphis	Susan Campbell
4	Sorensen, Mark	Memphis University School	Memphis	Steve Gadbois
5	Vargason, Benjamin	University School of Jackson	Jackson	Donald Newman
6	Durden, William	Houston High School	Germantown	Terri Lindquister
7	Zhan, Tiange	White Station High School	Memphis	Rebecca Newman
8	Cohen, Jacob	University School of Jackson	Jackson	Donald Newman
8	Magee, Gray	University School of Jackson	Jackson	Donald Newman
10	Bussey-Spencer, Walker	Memphis University School	Memphis	Nancy Gates
10	Vogt, Nathan	Memphis University School	Memphis	Nancy Gates



## Teacher Honor Roll

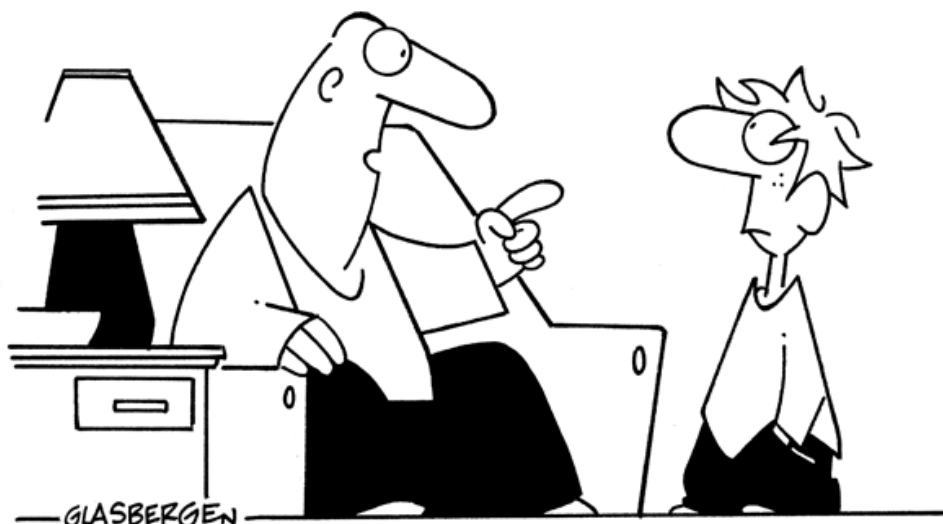
<u>2012 State Winners (Top 3)</u>	<u>2012 # In Top 10 other than Top 3</u>	<u>Teacher</u>	<u>Region</u>	<u>Cumulative Record 1976 - 2012 State Winners, Top Ten</u>		<u>School</u>	<u>City</u>
2	0	Marti Wayland	E	5	1	Baylor School	Chattanooga
1	0	Linda Carlen	E	1	0	Cookeville High School	Cookeville
0	1	Donna Johnson	E	0	1	Cookeville High School	Cookeville
2	0	Earletta Stamper	E	2	1	Dobyns-Bennett HS	Kingsport
2	0	Margaret Santich	E	2	0	Farragut High School	Knoxville
1	0	Elaine Wolf	E	1	0	Farragut High School	Knoxville
0	1	Wanda Lacey	E	1	1	Farragut High School	Knoxville
4	2	Angela Buckman	E	5	4	Farragut Middle School	Knoxville
0	1	Scott Frieling	E	0	1	Farragut Middle School	Knoxville
0	1	Gerri Parker	E	0	1	Hardin Valley Academy	Knoxville
1	0	Elain Vaughn	E	1	1	Jefferson Middle School	Oak Ridge
0	1	Nate Lee	E	1	1	Maryville High School	Maryville
0	1	Cary Hubbard	E	1	3	McCallie	Chattanooga
2	0	Nancy Gates	E	21	27	Memphis University School	Memphis
0	1	Benita Albert	E	23	48	Oak Ridge High	Oak Ridge
0	1	Sharon Browder	E	0	1	Sullivan South High School	Kingsport
0	1	Tom Makepeace	E	0	1	The McCallie School	Chattanooga
1	0	Angel Beaty	E	1	0	York Institute	Jamestown
1	0	Betty Hood	M	3	4	Brentwood HS	Brentwood
1	0	Vivia Smith	M	2	5	Brentwood HS	Brentwood
1	0	Jerry Stelmaszak	M	10	15	Brentwood HS	Brentwood
0	1	Suzanne Nuccio	M	1	4	Brentwood HS	Brentwood
0	1	Emily Hines	M	0	1	Central Magnet School	Murfreesboro
1	0	Trent Stout	M	2	0	East Middle	Tullahoma
1	0	Sharon Glenn	M	3	4	Ensworth HS	Nashville
0	1	Joy Webb	M	0	1	Ezell-Harding Christian	Antioch
1	0	Elizabeth Anderson	M	1	0	Hendersonville High School	Hendersonville
1	0	Paula Burgess	M	1	1	Hume-Fogg	Nashville
1	0	Karen Boles	M	2	1	Hume-Fogg	Nashville
1	0	Warren Everett	M	1	0	Kenwood High School	Clarksville
0	1	Deede Melder	M	0	2	MLK Academic Magnet	Nashville
1	0	James Campbell	M	1	0	MLK Academic Magnet	Nashville
0	1	Bill Compton	M	2	2	Montgomery Bell Academy	Nashville
3	2	Maggie Qian	M	7	3	Montgomery Bell Academy	Nashville
2	0	Jim Shackelford	M	12	10	Montgomery Bell Academy	Nashville
0	1	John Lanier	M	1	10	Montgomery Bell Academy	Nashville
1	0	Giny Hamby	M	1	0	Oakland Middle School	Murfreesboro
0	1	Peter Wade	M	0	1	Page High School	Franklin
0	1	Brian Sneed	M	0	1	Pope John Paul II High School	Hendersonville
1	0	Amanda Youell	M	1	0	Pope John Paul II High School	Hendersonville
1	0	Cindy Howes	M	2	0	Ravenwood High	Franklin



## Teacher Honor Roll - continued

<u>2012</u> <u>State</u> <u>Winners</u> <u>(Top 3)</u>	<u>2012 # In</u> <u>Top 10</u> <u>other than</u> <u>Top 3</u>	<u>Teacher</u>	<u>Region</u>	<u>Cumulative</u> <u>Record</u> <u>1976 - 2012</u> <u>State</u> <u>Winners,</u> <u>Top Ten</u>		<u>School</u>	<u>City</u>
2	0	Brian Weaver	M	3	0	Ravenwood High	Brentwood
0	1	Mary Hawken	M	1	1	Ravenwood High	Brentwood
1	0	Gail Lewis	M	1	0	Riverdale High School	Murfreesboro
1	0	Amber Charboneau	M	2	0	Tullahoma High School	Tullahoma
1	2	Frank Vanzant	M	11	46	Tullahoma HS	Tullahoma
0	1	Bruce Hughes	M	1	1	University School of Nashville	Nashville
1	0	Kate Hauck	M	2	2	Woodland Middle School	Brentwood
1	0	Shawn Morgan	W	1	0	Christian Brothers High School	Memphis
1	0	Pamela Kendall	W	2	1	Collierville High School	Collierville
0	1	Shawn Abel	W	1	2	Collierville High School	Collierville
0	1	Leigh Packard	W	3	8	Houston H.S.	Germantown
1	0	Sandra Davis	W	1	0	Houston High School	Germantown
1	0	Pamela Tate	W	1	0	Houston Middle School	Germantown
0	1	Reginald Gibson	W	0	1	Houston Middle School	Germantown
1	0	Steve Gadbois	W	3	1	Memphis University School	Memphis
0	1	Mike Gunn	W	4	8	Memphis University School	Memphis
2	0	Donald Newman	W	30	45	University School of Jackson	Jackson

© Randy Glasbergen  
glasbergen.com



**“Time is a great teacher. Unfortunately, it gives way too many tests and it doesn’t grade on a curve.”**



TENNESSEE MATHEMATICS TEACHERS ASSOCIATION

## Mathematics and the Law: The Apportionment of the House of Representatives

**Paul H. Edelman**  
**Vanderbilt University**

Since the founding of the United States, the decennial ritual of apportioning representatives among the states to the House has generated controversy. Four distinct methods have been tried and more have been suggested. It has been the subject of political feuds, mathematical feuds, legal challenge and perorations to God. It is also an excellent example of how mathematics can illuminate the law and how law can motivate mathematics.

In this talk I will give a crash course in the theory of apportionment. I will discuss the different approaches to apportionment and how they relate to each other. After some discussion of the history of the apportionment of the House, I will show how developments in the law point to new methods of apportionment that have never been employed and the surprising implications they have for the make-up of the House.



Paul Edelman is a Professor of Mathematics and Law at Vanderbilt University. After graduating from Swarthmore College, he received his PhD in mathematics from MIT under the direction of Richard Stanley. Before coming to Vanderbilt he taught at the University of Pennsylvania, Carnegie-Mellon University and the University of Minnesota. Edelman's mathematical research is primarily in the areas of enumerative and geometric combinatorics. His work in law includes articles on apportionment, corporations, and judicial decision-making. He has also been a consultant to the Country Music Association, advising them on election methods for the Country Music Awards.



TENNESSEE MATHEMATICS TEACHERS ASSOCIATION



# NCTM 2012 Regional Conferences and Expositions



## Core Math Tools Sessions at NCTM's 2012 Regional Conferences

### 2012 REGIONAL CONFERENCE IN DALLAS

#### Core Math Tools: Supporting Inquiry, Conceptual Understanding, and Problem Solving

Thursday, October 11, 2012, 2:00-3:00 PM

Lead Speaker: Christian Hirsch

In this interactive session, we will illustrate features of NCTM's new open source software tools as we make sense of, and solve, problems in context.

#### High School Student Reasoning with Support of Core Math Tools

Thursday, October 11, 2012: 2:30-4:00 PM

Lead Speaker: Henry S. Kepner

Participants will engage in exemplary lessons designed to explore and reason mathematically with the support of mathematical software tools. We will focus on student reasoning, conjecturing, and justification opportunities using NCTM's new Core Math Tools, downloadable to any computer. Bring a laptop, load, and reason mathematically!

### 2012 REGIONAL CONFERENCE IN CHICAGO

#### Mathematical Modeling: The Core of the Common Core State Standards

Thursday, November 29, 2012: 9:30-10:30 AM

Lead Speaker: Christian Hirsch

As a CCSSM content standard and a standard for mathematical practice, mathematical modeling affords a rich opportunity around which to develop and unify the mathematical content of the high school conceptual categories and related mathematical practices. We will examine several illustrative modeling tasks in terms of teaching and learning.



## TENNESSEE MATHEMATICS TEACHERS ASSOCIATION

### 2013 REGIONAL TMTA High School Mathematics Contests

Tuesday, April 16, 2013

Statewide Regional Testing Centers



TENNESSEE MATHEMATICS TEACHERS ASSOCIATION