



## TexMATYC News

Texas Mathematical Association of Two-Year Colleges

Winter 2016

### President's Message

*By Cynthia Martinez, Temple College. TexMATYC President.*

I hope you had a wonderful winter break and are ready to begin the spring semester fully refreshed. The TCCTA 69<sup>th</sup> Annual Convention is at the Houston Westin Galleria this February 25-27. Make plans to attend! The Texas Mathematics Association for Two-Year Colleges has a variety of speakers and I hope you are able to take some of the ideas back to your campus and classroom. Below is a listing of the MATH sessions.



**Thursday, 1:00 - 2:30 p.m.**

**"What does it mean to join the NMP?"**

*Connie Richardson*, Course Program Specialist in Higher Education Mathematics, Charles A. Dana Center at University of Texas at Austin; and *Nancy Stano*, Graduate Research Assistant, Charles A. Dana Center at University of Texas at Austin

**Thursday, 2:40 - 4:55 p.m.**

Come see what is new with software packages provided by some publishers. They will be discussing the advantages of their software as well as any new information that is on the horizon.

**2:40 - 3:10 p.m. Pearson presentation**

**3:15 - 3:45 p.m. Cengage presentation**

**3:50 - 4:20 p.m. Wiley presentation**

**4:25 - 4:55 p.m. McGraw-Hill presentation**

**5:00 - 5:45 p.m. TexMATYC Executive Board Meeting**

*Cynthia Martinez*, President, Texas Mathematical Association of Two-Year Colleges

**Friday, 8:00 a.m. - 11:55 a.m.**

**8:00 - 8:55 a.m.**

**"Department Chair Insights"**

*Cynthia Martinez*, Professor & Chair, Department of Mathematics, Temple College; and *Becky Heiskell*, Professor of Mathematics, Mountain View College

**9:00 - 9:55 a.m.**

**"Preparedness of Calculus I Students Through a 1st Day Quiz"**

*Habib Far*, Professor of Mathematics, Lone Star College-Montgomery; and *Jeff Groah*, Professor of Mathematics, Lone Star College-Montgomery

**10:00 - 10:25 a.m.**

**"A Flipped Statistics Class"**

*Heather Gamber*, Professor of Mathematics, Lone Star College-CyFair

**10:30 - 10:55 a.m.**

**"A Pathway to the Active Learning Classroom"**

*Veronica E. Dominguez*, Assistant Professor Mathematics, South Texas College

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11:00 - 11:55 a.m.

**"What's Going on Across the State"**

*Debra Prescott*, Chair for the Mathematics Department, Central Texas College; *Cynthia Martinez*, Professor & Chair, Department of Mathematics, Temple College; and *Becky Heiskell*, Professor of Mathematics, Mountain View College

Saturday, 9:00 - 10:55 a.m.

9:00 - 9:55 a.m.

**"Optimization: How Nature and Man make the Most from the Least (More or Less)"**

*John Reutter*, Professor of Mathematics, Lone Star College-Kingwood

10:00 - 10:55 a.m.

**"Cool Tech Tools for the Classroom"**

*Andrea Hendricks*, Associate Professor of Mathematics, Georgia Perimeter College, Decatur, GA; and *Pauline Chow*, Senior Professor of Mathematics, Central Pennsylvania's Community College-HACC, Harrisburg, PA

Welcome to TCCTA's 69th Annual  
Convention!

"Power of Partnerships"



THE WESTIN GALLERIA  
& WESTIN OAKS  
HOUSTON

February 25-27, 2016  
Westin Galleria Hotel  
5060 West Alabama  
Houston, Texas

More information at [www.TCCTA.org](http://www.TCCTA.org)

## News from AMATYC

By Kathryn (Kate) Kozak, AMATYC Vice  
President for the Southwest Region



As I write this article, I am returning from the strategic planning and orientation (SPO) meeting for the AMATYC board and committee chairs. One purpose of SPO is to orient the new board and committee chairs to their roles in AMATYC. This is helpful for individuals to understand what their duties are to the organization, to understand the role of the board or chairs as a group, and to learn to work together for the good of AMATYC.

The other purpose of SPO is to work on strategic planning. The current strategic plan guides AMATYC through 2017, and there are still actions that are being worked on. Most notably is the Beyond Crossroads revision project. This project involves many members of AMATYC and people from sister organizations to create the next document. Please let me know if you would like to be involved in the project. Writing teams are currently being formed, so there is plenty of time for you to become involved.

Since the current strategic plan ends at the close of 2017, the board is working on creating a new strategic plan. To start the process, a new vision and mission are being drafted. Then a draft plan that will guide AMATYC from where it is currently (mission) to where it wants to head (vision) will also be developed. These drafts will be presented at a forum at the AMATYC Annual Conference in Denver, November 18-20, 2016. If you are attending the conference I hope you attend the forum. Your input will help to shape these statements and the new strategic plan.

I hope you see that there are many activities going on right now in AMATYC. Please contact me if you have any questions or comments. My email is [kathryn.kozak@coconino.edu](mailto:kathryn.kozak@coconino.edu).



## 2015-2016 Conferences

TCCTA/TexMATYC – 69<sup>th</sup> Annual Conference for TCCTA in Houston, February 25-27, 2016  
[www.tccta.org](http://www.tccta.org)

ICTCM – 28<sup>th</sup> Annual conference in Atlanta, March 10-13, 2016  
[www.pearsonhighered.com/ictcm/](http://www.pearsonhighered.com/ictcm/)

MAA – Texas Section Meeting at SFA in Nacogdoches, March 31-April 2, 2016  
[www.maa.org/community/maa-sections/section-meetings](http://www.maa.org/community/maa-sections/section-meetings)

NCTM – Annual Exposition in San Francisco, April 13-16, 2016  
[www.nctm.org/Conferences-and-Professional-Development/Annual-Meeting-and-Exposition/](http://www.nctm.org/Conferences-and-Professional-Development/Annual-Meeting-and-Exposition/)

TAAAMS – Fall Meeting at Baylor University in Waco, Date TBD.

AMATYC - 41<sup>st</sup> Annual conference in Denver, CO, November 17-20, 2016 [www.amatyc.org](http://www.amatyc.org)

## There's Still Time

*By Becky Heiskell, TexMATYC President-Elect*

Dues are only \$10 per year and for a limited time we are offering lifetime memberships for only \$150! Joining is easy: go to [www.texmatyc.org](http://www.texmatyc.org) and click on the button in the top right that says "Join Now". You can pay online with PayPal or a credit card, or print out a form to give to your campus representative.



We hope to see you February 25-27 at TCCTA in Houston for our annual meeting, where we will also be accepting dues payments.

## Professional Development

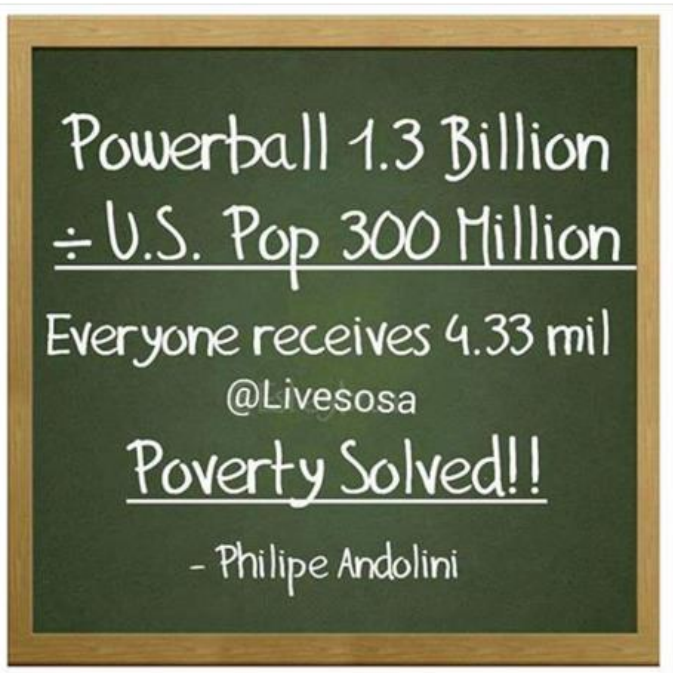
AMATYC regularly offers webinars on a variety of subjects and topics. The table below lists previous statistics webinars. Streaming videos of all webinars and associated materials are posted at: <http://www.amatyc.org/?page=Webinars> and can be watched at any time by anyone.

Title	Presenter
Interpreting Graphical Displays of Data	Roxy Peck
Teaching Statistics in the Online World	Michelle Everson
Incorporating the use of Real Data and R in a Statistics Course	Kelly Fitzpatrick
Using Assessment to Improve and Evaluate Student Learning in Introductory Statistics	Bob delMas
Modern Intro Stats	Rob Gould
Analyzing Financial Data in an Introductory Statistics Course	Kelly Fitzpatrick

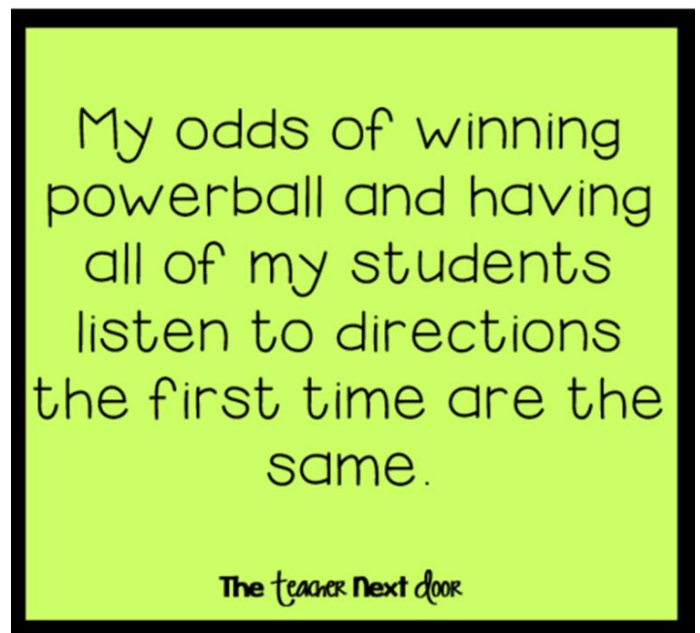
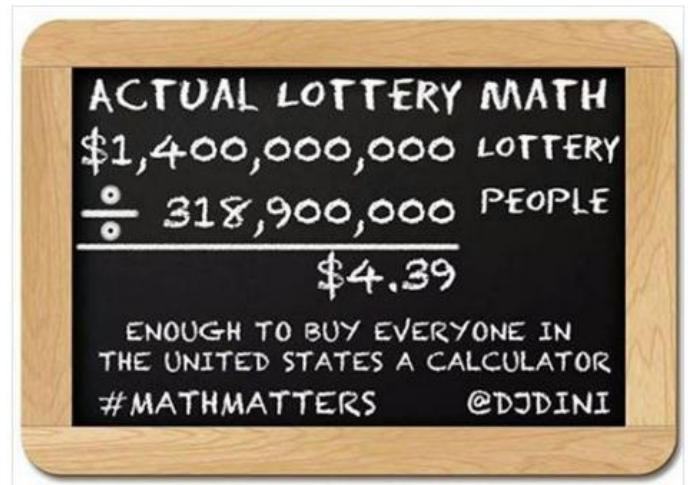
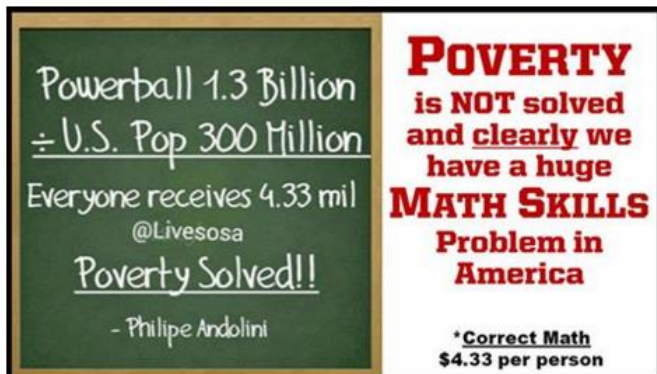


# Powerball

In case you missed it, the following meme regarding the Jan 13, 2016 Powerball drawing recently flew around Facebook. It had over 900,000 likes and almost 1.4 million shares on January 11, 2016. The actual jackpot of \$1,586,400,000.00 annuity was shared between three winners.



The following are some responses from more mathematically astute readers:



# Cryptograms

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*Created by Dr. Jeffrey Groah, Lone Star College-Montgomery*

Answers will be in the next issue. Please email Heather Gamber ([heather.a.gamber@lonestar.edu](mailto:heather.a.gamber@lonestar.edu)) your answers. The first correct response to each cryptogram will be acknowledged in the next issue, with full bragging rights.

KO NRAGYNRAKEI K ERO TYBUTA OU  
PYQKEKYO EJ, YHEYBA KA XY AGRA NYO PU  
OUA IVQKKEKYOAFJ VOPYTIAROP AGY  
YHEYFFYOA VIY UQ AGY BVTY  
NRAGYNRAKEI. QTROEKI XREUO

CL CZNKS... CZS UXHTNXI PDSVCHLO FNV  
OLC FZNC YL FS QOLF, MDC ZLF YL FS QOLF  
HC. NXHVCLCKS

XPGWG QZC DBWG HDZJHAZXHBA HA XPG  
PGZR BK ZWFPHDGRGC XPZA HA XPZX BK  
PBDGW. NBTXZHWG

Solutions from last newsletter:

SYMMETRY, AS WIDE OR AS NARROW AS YOU  
MAY DEFINE IT, IS ONE IDEA BY WHICH MAN  
THROUGH THE AGES HAS TRIED TO  
COMPREHEND AND CREATE ORDER, BEAUTY,  
AND PERFECTION. HERMANN WEYL

THE DEEP STUDY OF NATURE IS THE MOST  
FRUITFUL SOURCE OF MATHEMATICAL  
DISCOVERY. FOURIER

NATURE AND NATURE'S LAWS LAY HID IN  
NIGHT; GOD SAID, 'LET NEWTON BE,' AND  
ALL WAS LIGHT. ALEXANDER POPE

## TexMATYC Executive Board

### Cynthia Martinez

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### Ed Bock

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Collin College  
[Ebock@texmatyc.org](mailto:Ebock@texmatyc.org)

## Joke of the Month

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Why couldn't the angle get a loan?



His parents wouldn't cosine.

## Got News?

If you know of any exciting news in mathematics, have it published in your TexMATYC newsletter. Submit articles to Heather Gamber at [heather.a.gamber@lonestar.edu](mailto:heather.a.gamber@lonestar.edu).

Visit us at [www.texmatyc.org](http://www.texmatyc.org)