

Math
MARCH
MADNESS

The image features the text 'Math MARCH MADNESS' in a stylized, black, hand-drawn font. The word 'Math' is at the top, 'MARCH' is in the middle, and 'MADNESS' is at the bottom. The letters are decorated with small grey stars and a dotted line that curves through the 'MARCH' and 'MADNESS' words. The background is white, and the entire graphic is set against a grey and yellow geometric pattern.

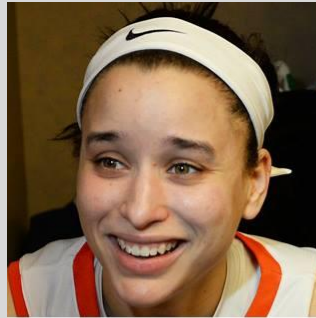
Jane Tanner

President of American Mathematical Association of Two-Year Colleges

Professor of Mathematics, Onondaga Community College, Syracuse, NY

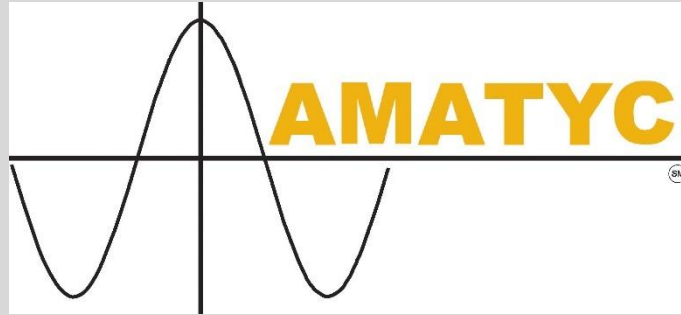


THANK YOU
for a great season



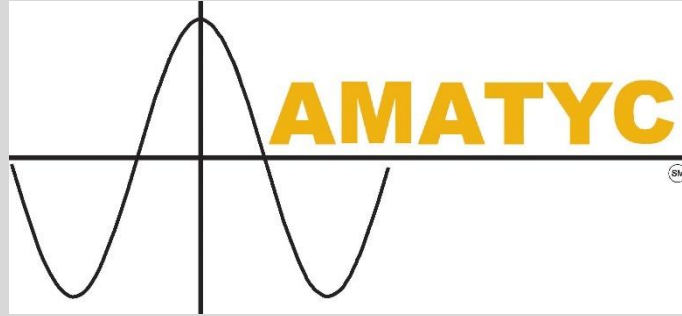
THANK YOU
for a great season



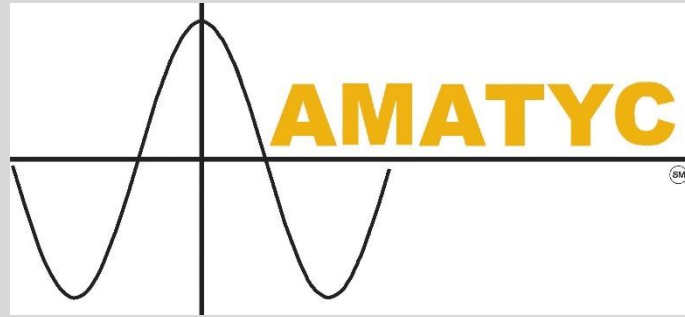


**I was introduced as AMATYC
President.**

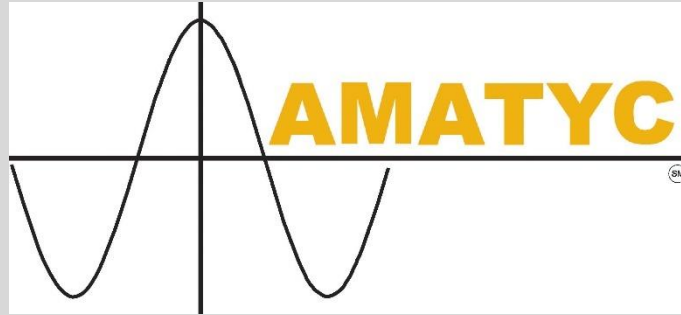
**I have been president for 113
days, but who is counting.**



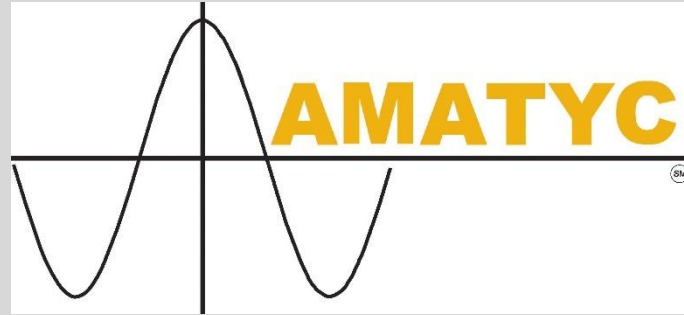
I know some of you well out there and some of you not at all. I hope that changes by the end of this evening.



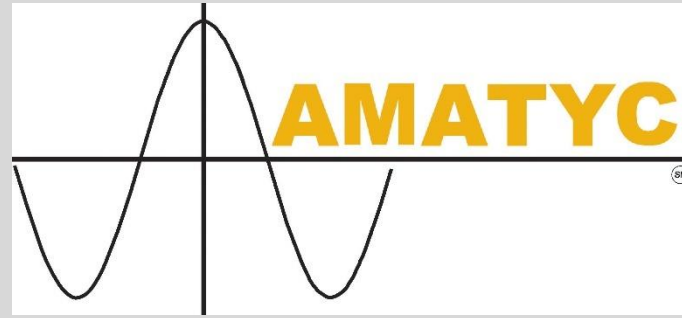
**I am honored to be here tonight.
With the title of my talk Math
Madness, I figure anything goes.
So here goes!**



This is not a sales pitch for AMATYC, but I wouldn't be upset if you became a member!

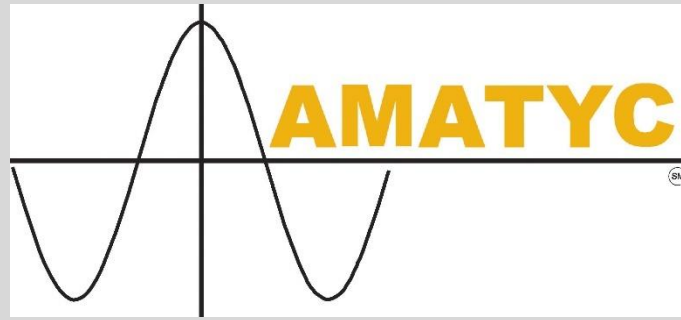


So, what am I going to speak on?



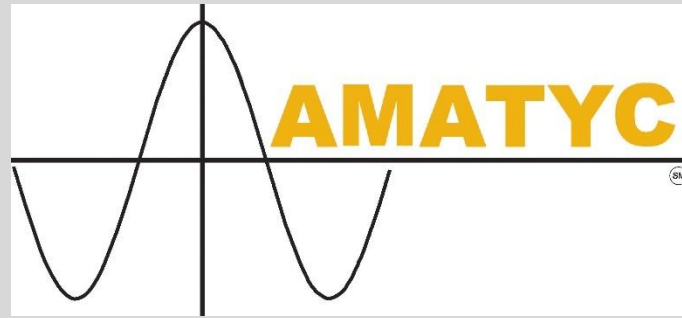
Affiliates:

- webpages
- speaker and presentation ideas



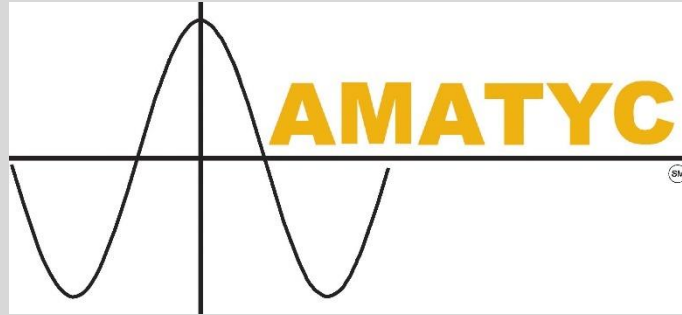
Traveling Workshops:

- A grant is available!
- Institutional members or affiliates



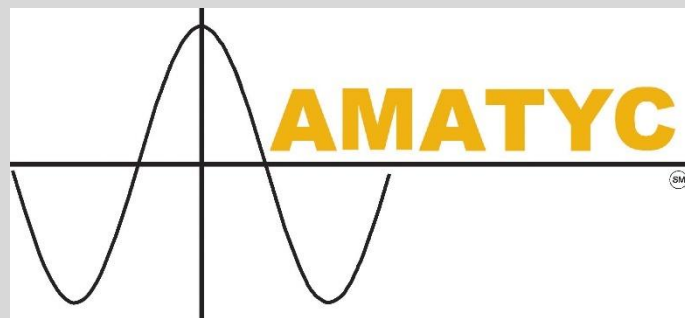
AMATYC Committees and ANets:

- **Math and its Applications for Careers**
- **Math for Liberal Arts**



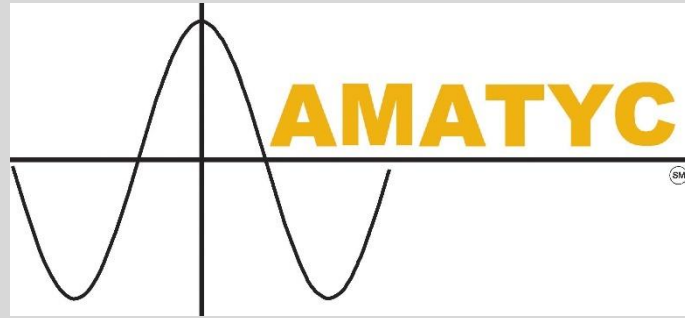
Webinars:

- **Next one is on teaching statistics for the first time**
- **These are recorded!**



Publications:

- ***MathAMATYC Educator***
- ***AMATYC News***
- **Guidelines and Position Statements**



***Crossroads,
Beyond Crossroads,
and the
Vision for the Future***

***Crossroads in
Mathematics:
Standards for
Introductory College
Mathematics Before
Calculus***

Published in 1995

Available at <http://www.amatyc.org/?page=GuidelineCrossroads>



Crossroads Goals

Improve Mathematics Education at two-year colleges and at the lower division of four year colleges and universities

Encourage more students to study mathematics

***Crossroads* - Three Sets of Standards Still Relevant Today**

- ▶ **Standards for Intellectual Development**
- ▶ **Standards for Content**
- ▶ **Standards for Pedagogy**

***Beyond Crossroads:
Implementing
Mathematics Standards
in the
First Two Years of College***

Published in 2006

Available at <http://beyondcrossroads.matyc.org/>

Beyond Crossroads Goal

Stimulate faculty, departments, and institutions to examine, assess, and improve every component of mathematics education in the first two years of college.

Beyond Crossroads

5 Implementation Standards

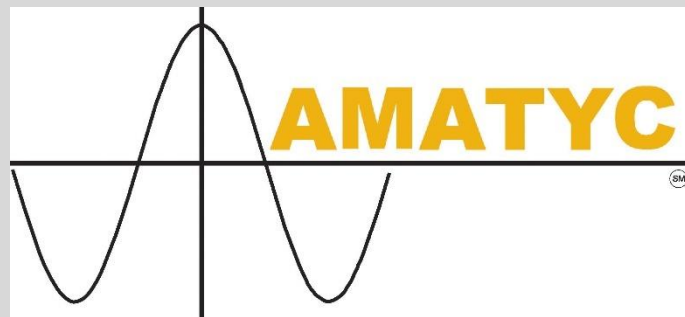
- ▶ **Student Learning and the Learning Environment** Mathematics faculty and their institutions will create an environment that optimizes the learning of mathematics for all students.
- ▶ **Assessment of Student Learning Mathematics** Mathematics faculty will use the results from the ongoing assessment of student learning of mathematics to improve curricula, materials, and teaching methods.
- ▶ **Curriculum and Program Development** Mathematics departments will develop, implement, evaluate, assess, and revise courses, course sequences, and programs to help students attain a higher level of quantitative literacy and achieve their academic and career goals.
- ▶ **Instruction** Mathematics faculty will use a variety of instructional strategies that reflect the results of research to enhance student learning.
- ▶ **Professionalism** Institutions will hire qualified mathematics faculty, and these faculty will engage in ongoing professional development and service.

Vision for the Future - What will the new document include?

- ▶ Distinctive characteristics of students in the first two years of college
- ▶ Changes that lead to student success (such as alternative pathways)
- ▶ Changes that have occurred in content, pedagogy, and technology and their impact on the teaching and learning of mathematics in the first two years
- ▶ How to use successful research based strategies
- ▶ How to be data driven
- ▶ How to teach problem solving to solve future problems that do not exist in the present moment
- ▶ How to incorporate various methods of assessment into the classroom
- ▶ The effect that policy makers have on the teaching and learning of mathematics

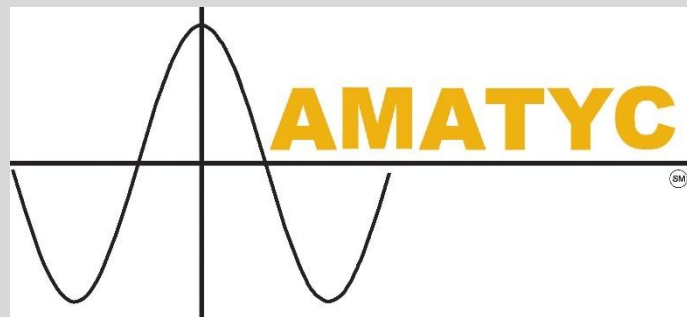
What can you do?

- ▶ Read *Crossroads in Mathematics: Standards for Introductory College Mathematics Before Calculus*
- ▶ Read *Beyond Crossroads: Implementing Mathematics Standards in the First Two Years of College*
- ▶ Share these AMATYC documents with your colleagues
- ▶ Implement the standards into your teaching
- ▶ Perform classroom research and share your data
- ▶ Join the writing team
- ▶ Watch for further information from AMATYC



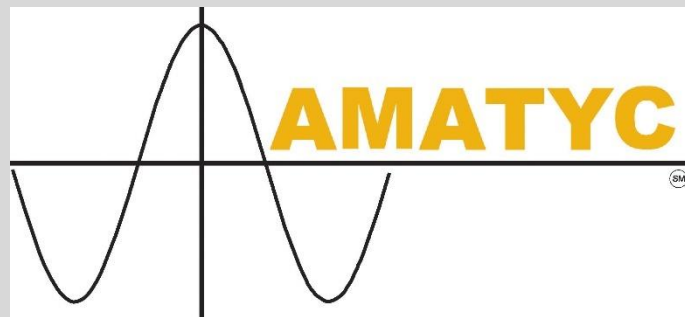
Collaborations:

- **National Math Summit**
- **TPSE Math**
- **Carnegie, Dana Center**
- **Others**



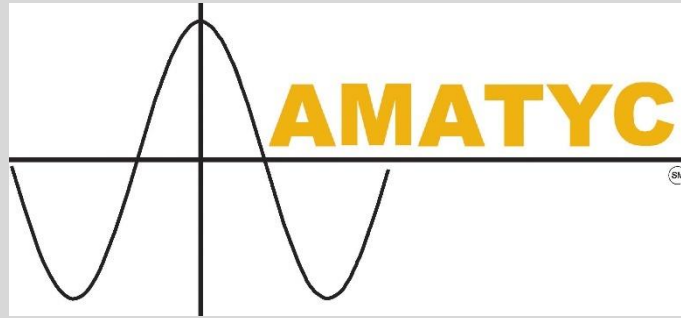
Conference:

- Denver
- November 17-20
- Try it, you'll like it!



My parting gift to you:

**[https://www.youtube.com/
watch?v=VMsm31PxHol&fe
ature=youtu.be](https://www.youtube.com/watch?v=VMsm31PxHol&feature=youtu.be)**



Thank you for allowing me to attend your meeting. It has been a highlight of my 113 days as AMATYC president!