



Using TI Technology to Explore Applications of Integrals

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Moderator Bio



Mike Houston

**T³ National Instructor
Riverside High School
Ellwood City, PA**

Mike is in his twelfth year of teaching high school mathematics in Ellwood City, PA. While participating in a TI-Navigator™ Fast-Track in 2007, he learned how technology can effectively cultivate students' wide range of learning styles. During this time, Mike has served as a T³ National Instructor and a contributing author for MathForward™.

Panelists' Bios



Corey Boby

T³ National Instructor

Malvern, AR

Corey is in his 20th year in education and currently teaches Algebra 2, Geometry, and AP* Calculus. Since joining the T³ community in 2001, he has worked on curriculum development and workshop instruction, as well as creating online courses and videos for TI-Nspire™ technology.



Tracy Watson

T³ National Instructor

Malvern, AR

Tracy has been teaching Geometry, AP* Statistics, and AP Calculus at Benton High School in Arkansas for the past 2 years. Previously, she taught college mathematics courses ranging from Basic Algebra through Calculus for over 15 years. She has been an AP Calculus Reader for four years. As a T³ National Instructor, she enjoys sharing with teachers across the country the appropriate use of technology in the classroom.

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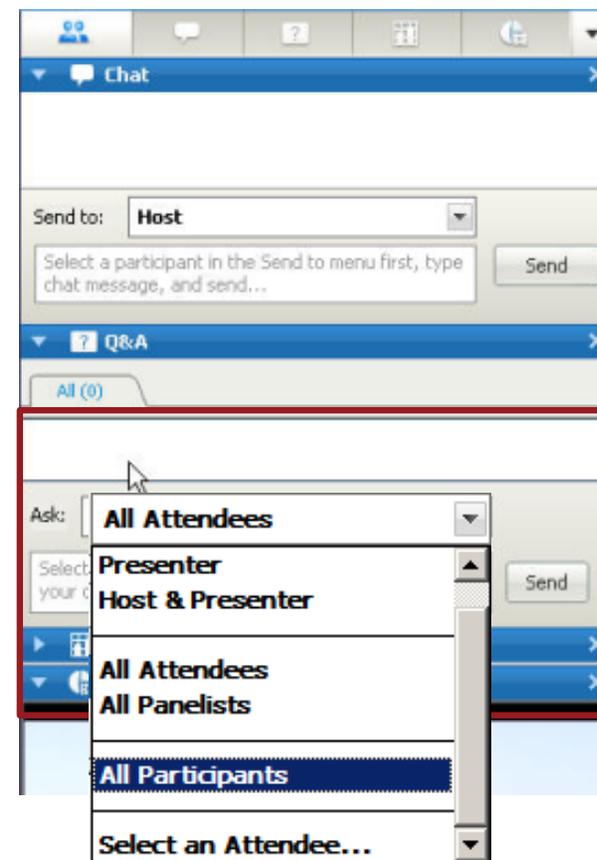
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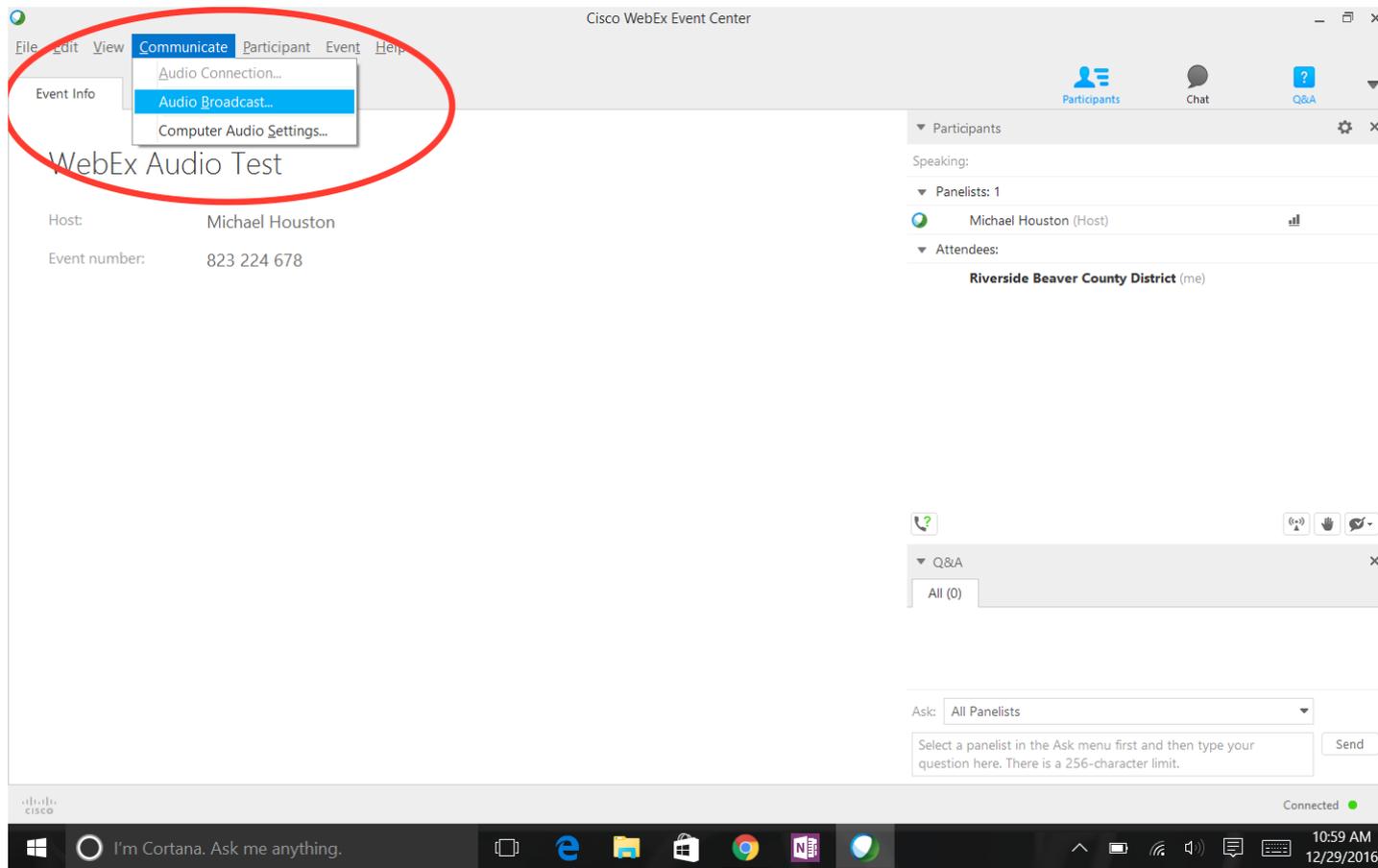
Questions directed to:

- All Attendees** excludes Moderator and Panelists
- All Participants** includes everyone in the meeting

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Agenda

- Welcome & introductions
- Online Resources
- Reviewing the four calculator allowed actions (Graph/Table, Solve Equation, Derivative at Point, Definite Integral). How to use templates on the TI-84 and TI-Nspire™ Technology
- Visualizing Solids by disks and washers on the TI-Nspire™
- Examine student work on Particle Motion Problems and how TI-Technology can be appropriately used.
- Solving for the Average Value of a Function using TI Technology
- *Webinar Giveaway: complimentary registration for the T³ International Conference*

Expected Outcomes:

- » **Examine** how to use technology to solve problems on the AP Calculus exam
- **Visualize** solids of revolution
- **Analyze** student work to illustrate common mistakes and understand grading standards
- **Exploring Average Value of a Function** graphically and numerically

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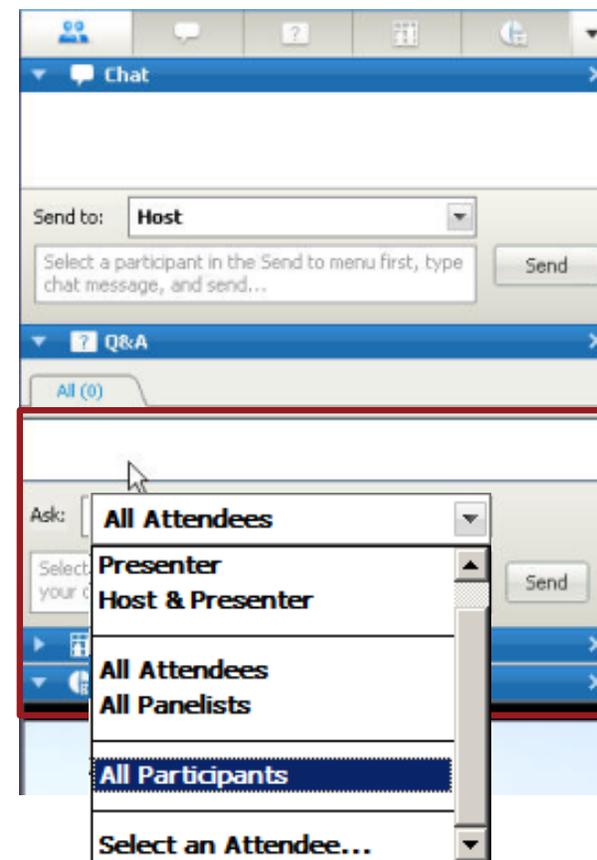
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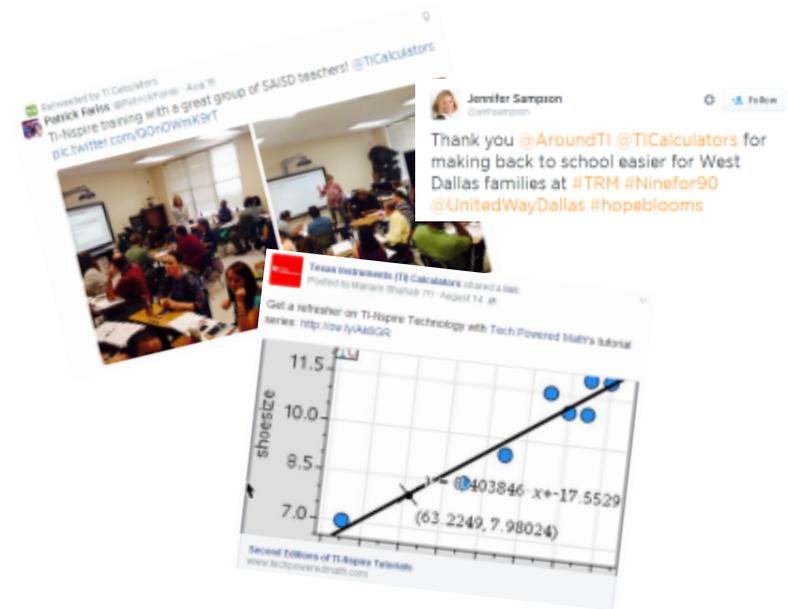
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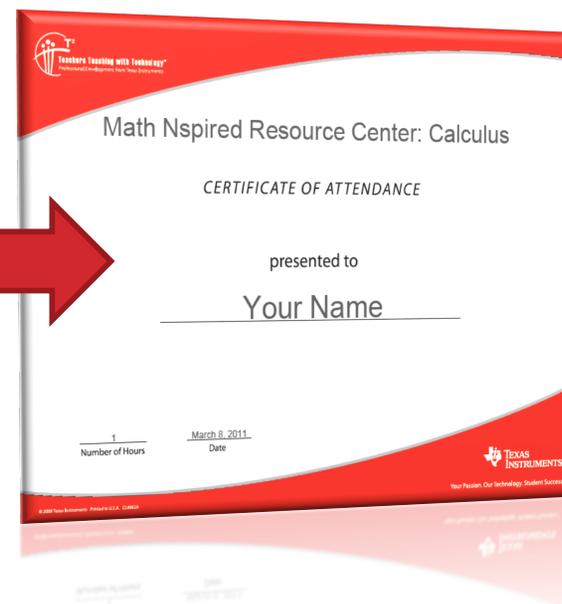
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#MathNspired
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The screenshot shows the Texas Instruments Education Technology website. The header includes the Texas Instruments logo and the tagline "Your Passion. Our Technology. Student Success." followed by "Education Technology". Below the header, there is a navigation bar with the text "Generate Your Certificate · 获取证书 · Generar Certificado de Asistencia". The main content area is divided into two columns. The left column is titled "What's New and Tried & True with TI-Nspire(tm) Technology" and contains text about the software's features and a "Go" button. The right column is titled "Your Name · 您的姓名 · Su Nombre:" and contains a text input field and a "Go" button. Below the input field, there is a red arrow pointing to the right, indicating the next step in the process.



The screenshot shows the generated Certificate of Attendance. The certificate is titled "Math Nspired Resource Center: Calculus" and "CERTIFICATE OF ATTENDANCE". It is presented to "Your Name". The certificate includes a "Number of Hours" field with the value "1" and a "Date" field with the value "March 8, 2011". The Texas Instruments logo and tagline are visible in the bottom right corner of the certificate.

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Find useful resources, answers to your questions & access to friendly, knowledgeable customer support and technical reps.

General Questions:

1-800-TI-CARES

Technical Questions:

972-917-8324

ti-cares@ti.com



For a consultation on an upcoming purchase of TI Technology or professional development, please contact us at:

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Thank you!

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The image shows a screenshot of the Texas Instruments Education Technology website. The top navigation bar includes the Texas Instruments logo and the text "Education Technology". Below this, the main heading reads "Generate Your Certificate · 获取证书 · Generar Certificado de Asistencia".

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A large red arrow points from the "Go" button to a sample certificate. The certificate is titled "Math Nspired Resource Center: Calculus" and "CERTIFICATE OF ATTENDANCE". It is presented to "Your Name" and includes fields for "Number of Hours" (with the value "1") and "Date" (with the value "March 8, 2011"). The certificate also features the Texas Instruments logo and the tagline "The Power. Our Technology. Student Success."

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