

# Kentucky Council of Teachers of Mathematics (KCTM) November 2007

## Message from the President

WOW! What a fabulous conference we had in October! As you know T<sup>3</sup> co-sponsored the conference this year. It was the first T<sup>3</sup> regional conference in the state of Kentucky. We had nearly 900 participants register making it the largest conference for KCTM and the largest T<sup>3</sup> regional conference! We also had 150 people register for the MESA banquet. We set all kinds of records!!

We have received many emails from participants praising this year's conference. Here is a sampling:

- I just wanted to tell you that I very much enjoyed KCTM. It was extremely well organized and well run. I heard many others also say what a good experience it was. Thank you.
- I just wanted to say "Thank you" for a fantastic conference. The student volunteers, outside and inside, were absolutely wonderful—they were helpful as well as insightful. The vendors were great! The sessions were great! Lunch was FANTASTIC! Overall, I wanted you to know that this was one of the best conferences I have been to in a long while!
- Great job with the conference! The facilities were very good as was the support for the speakers. I learned something in every workshop I went to. I think it was one of the best KCTM conferences I have attended.
- I had a wonderful time in Kentucky. Thank you for the hospitality. I thought the conference went very well. I really enjoyed the presenters and having the opportunity to meet people from the Kentucky, Tennessee, & Ohio area.
- I just wanted to tell you that the conference was one of the best I have been to. Priceless!! It was so well organized. The service was great and the sessions were awesome!!! Great job!!
- Just wanted to thank you for an excellent conference! It was very well organized, from a participant and speaker's viewpoint everything ran really smoothly. Please know that all your hard work was much appreciated.

Speaking of hard work, you know that a conference of this magnitude could not take place without a LOT of work from a LOT of people. I would like to extend a huge "KCTM thank you" to the following people who were instrumental in making this year's conference a success:

- Beth Noblitt, Program Chair
- Bryson Perry, Site Chair (also responsible for getting T<sup>3</sup> involved!)
- Ruth Casey, Registration Chair & Vendor Chair
- Barbara Taylor, Treasurer
- Margaret Taylor, volunteer extraordinaire!!!
- Gloria Beswick & Billie Travis, volunteer co-chairs

- Ann Booth, MESA chair
- Natalie Feese, meals
- Henry Clay High School JROTC, parking
- Henry Clay High School teachers, registration
- Henry Clay High School students, volunteers
- Fayette County MILC teachers, volunteers
- Henry Clay Soccer Boosters, volunteers
- KCTM members, volunteers
- Melendy Lovett, President of TI Educational Technology, Keynote Speaker
- Tonya Hancock, KY Texas Instruments Representative
- Texas Instruments Speakers
- Texas Instruments
- Fayette County Schools

I am so proud of KCTM! We are setting the standard for quality professional development in the state. We asked so many of our members to volunteer and everyone gladly helped us out. We could not have had such a successful conference without everyone's help! THANKS!!

We are already making plans for next year's conference. The date and location will be announced in the next newsletter and on our website. We look forward to another great conference next year!

In all the conference excitement I almost forgot to announce the results of our recent election! The following members were elected to two-year terms beginning in January:

Janet Penrod, Elementary Vice President

Susan Collins, Secretary

Barbara Jacobs, Treasurer

CONGRATULATIONS!!

Respectfully yours,

**Maggie McGatha**

**KCTM President**

[maggie.mcgatha@louisville.edu](mailto:maggie.mcgatha@louisville.edu)

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Enter each set of equations into the **Y=** menu and **GRAPH** them one at a time on the same graph grid. Sketch the line for  $y_1$  in red (or some other color). The other graphs should be sketched in pencil, as usual. Label each line with each its equation.

1. Graph

$$y_1 = x$$

$$y_2 = x + 2$$

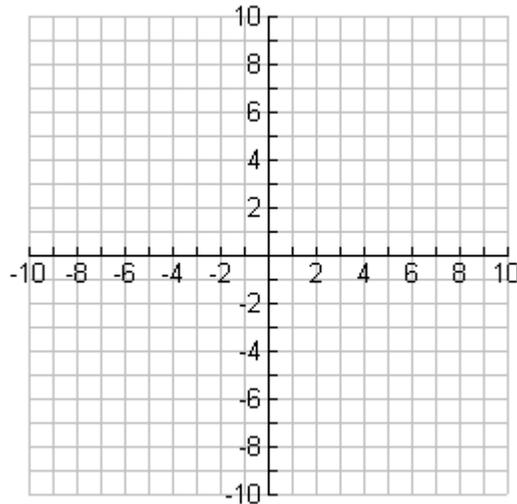
$$y_3 = x + 6$$

$$y_4 = x - 3$$

a. How are these lines alike?

b. Where does each line cross the y-axis?

c. What happens to the graph of  $y = x$  when a **constant** is added? What does the  $b$  do the equation  $y = x + b$ ?



2. Graph

$$y_1 = x$$

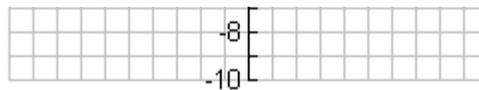
$$y_2 = 2x$$

$$y_3 = 5x$$

$$y_4 = 10x$$

a. How are the lines alike?

b. How are the lines different?



c. What happens to the graph of  $Y = x$  when  $x$  is multiplied by a positive number greater than 1? (What does the coefficient  $a$  do in  $y = ax$  when  $a > 1$ ?)

3. Graph

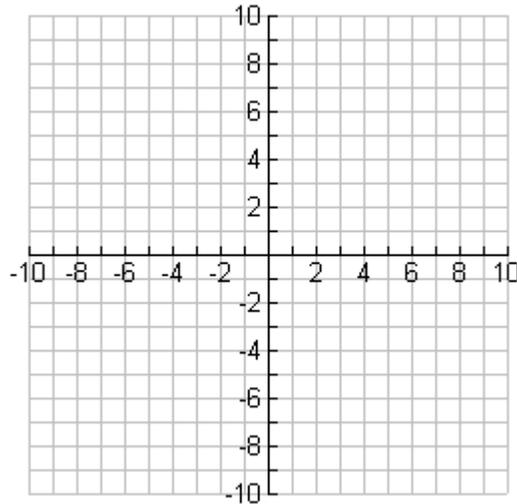
$y_1 = x$

$y_2 = \frac{1}{2}x$

$y_3 = \frac{1}{4}x$

$y_4 = (1/5)x$

Remember to enclose the functions in parentheses. Type  $y = (1/2)x$ , etc.



a. What happens to the graph of  $Y = x$  when  $x$  is multiplied by a positive number between 0 and 1? (What does  $a$  do in  $y = ax$  when  $0 < a < 1$ ?)

b. Will the graph ever touch the x-axis? Why or why not?

4. Graph

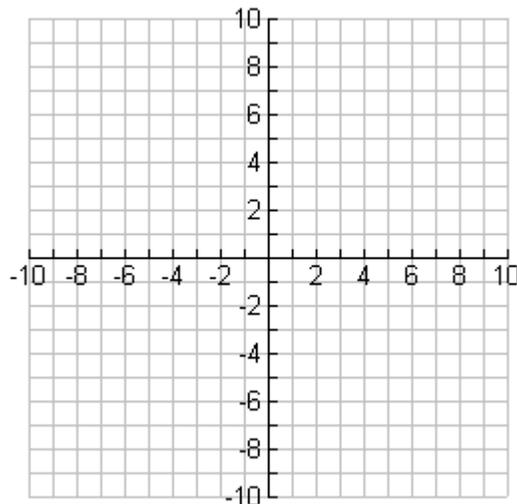
$y_1 = x$

$y_2 = 2x$

$y_3 = -2x$

$y_4 = -5x$

Hint: You must use the negative sign on the bottom row, not the subtraction sign.



a. How are these lines alike?

b. How are these lines different?

c. What happens to the graph of  $Y = x$  when  $x$  is multiplied by a

negative number less than -1?

(What does the coefficient  $a$   
do in  $y = ax$  when  $a < -1$ ?)

5. Graph

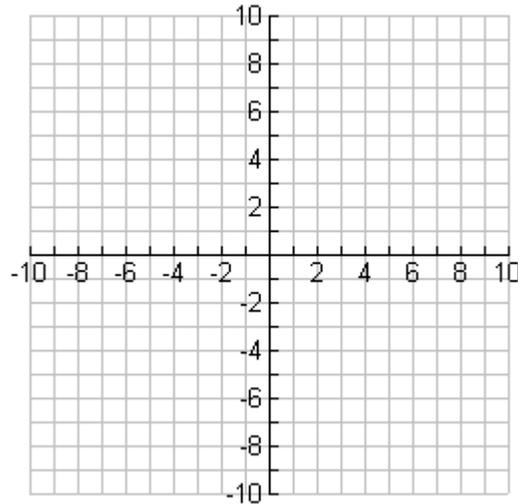
$$y_1 = x$$

$$y_2 = 2x$$

$$y_3 = 2x + 3$$

$$y_4 = -2x - 7$$

- Explain what the coefficients 2 and -2 do to the graph of  $y = x$ .
- Explain what the constants 3 and -7 do to the graph of  $y = x$ .



6. Graph

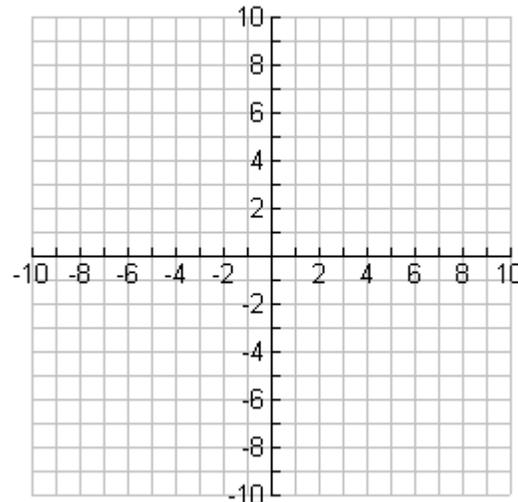
$$y_1 = x$$

$$y_2 = \frac{1}{2}x$$

$$y_3 = \frac{1}{2}x + 3$$

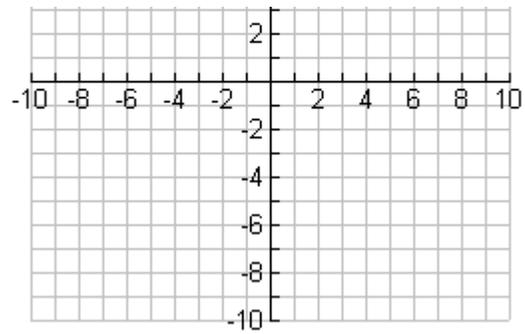
$$y_4 = -\frac{1}{2}x - 4$$

- Explain how the coefficients  $\frac{1}{2}$  and  $-\frac{1}{2}$  effect the graph of  $y = x$ .
- Explain how the constants 3 and -4 effect the graph of  $y = x$ .

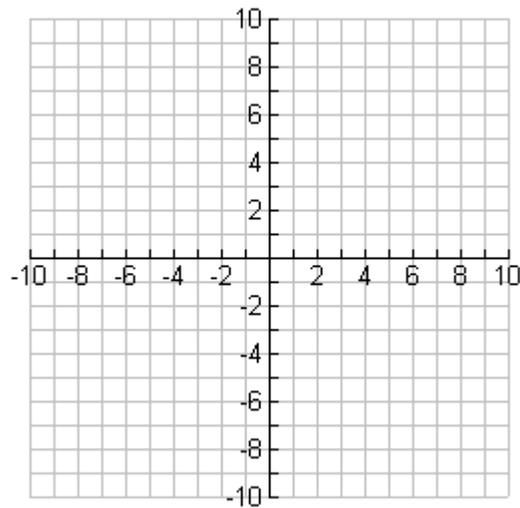


7. For each equation, sketch the graph without the calculator in pencil. Then use your graphing calculator to check your graph and modify it in red, if necessary.

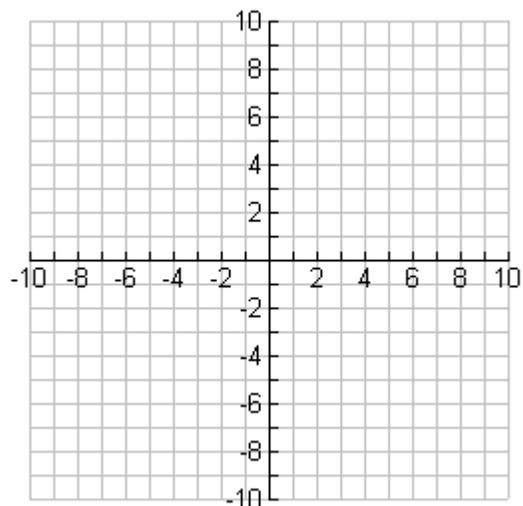
- $y = 3x - 2$



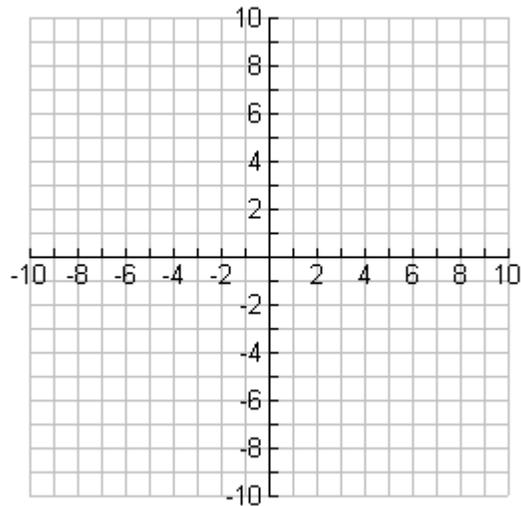
b.  $y = -3x + 2$



c.  $y = (1/3)x - 4$



8. Create a graph of your own in the form  $y = mx + b$  and explain how the coefficient  $m$  and the constant  $b$  affect the graph of  $y = x$ .



**Submitted by:**  
**Gloria Beswick**  
**Middle School Vice-President**  
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## [TI-nspire Integer Slider](#)

This article is available in PDF format by [clicking here](#) or on the title.

**Submitted by:**  
**Bryson Perry**  
**High School Vice-President**  
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## **News from Kentucky Mathematics Educators**

In late August and September, a survey was sent to all identified mathematics educators at Kentucky's Colleges and Universities. This survey was an attempt to collect contact information and news from around the state in mathematics education. The survey was distributed to all known mathematics educators based upon the websites of the various institutions. As of this writing, only ten (10) surveys have been completed and returned.

There were two questions on the survey that may be of interest to all mathematics educators around the state (K-12 and Higher Education). Here are some of the current responses to the two questions:  
 One, If you had to recommend only ONE website (besides NCTM, SSMA, MAA or NCSM) to mathematics teachers (K-12), what would that be? Responses included:

\***National Library of Virtual Manipulatives** (<http://nlvm.usu.edu/en/nav/vlibrary.html>) – A digital library containing Java applets and activities for K-12 Mathematics. The main page allows you to select your navigation by grade level and mathematics topics.

\***Trackstar** (<http://trackstar.4teachers.org/trackstar/>) – Teachers utilizing websites to reinforce concepts.

\***Math Playground** ([www.mathplayground.com](http://www.mathplayground.com)) – Hands-on and minds-on website for reinforcement of concepts

\***Shodor** (<http://www.shodor.org/curriculum/grade.php>) – An excellent website that has lesson plans, on-line activities and manipulatives to reinforce concepts or begin a new concept.

\***Association of Mathematics Teacher Educators (AMTE)** (<http://amte.net/>) – This is a national organization for mathematics teacher educators. Posted is a range of information, including job postings, links to a range of interesting projects, reports, searchable database of mathematics teacher resources as well as conference information.

The websites for the organizations listed in the original question are:

**NCTM** (<http://www.nctm.org/>)

**SSMA** (<http://www.ssma.org/>)

**MAA** (<http://www.maa.org/>)

**NCSM** (<http://ncsmonline.org/>)

And question two was “What activities / events / projects at your institution may be of interest to KY mathematics teachers (P-12) and/or mathematics educators?” Responses included:

\*The ALGEBRA CUBED project which has STEM discipline graduate students in the schools of Bath and Powell counties in KY. This is an NSF sponsored project. *Information provided by Dr. Richard Millman @ University of Kentucky.*

\*Dr. Millman (University of Kentucky) is also co-authoring the fifth edition of Long and DeTemple’s “Mathematical Reasoning”, a text for “Math for Future Teachers”

\*Spring 2007 – Murray State University (MSU) in conjunction with Western KY Education Co-op sponsored a math summit. Area teachers (K-12) networked about problems with mathematics at a regional level. Workshops were provided for participants in Brain Research and math, Hands-on Equations, Libby Pollett and Debby Head from BBY publications *Information provided by Dr. Greg Gierhart @ Murray State University.*

\*MSU also offered a Middle School symposium. Participants learned how to use the Barculator and the Pieculator (manipulatives for fractions from <http://www.kaidy.com/>). *Information provided by Dr. Greg Gierhart @ Murray State University.*

If you are a mathematics educator at a Kentucky institution of higher education and did not receive this survey (or have misplaced it), please feel free to contact Dr. Valeria Amburgey ([amburgey@nku.edu](mailto:amburgey@nku.edu)). Additional information will be collected for the new KCTM newsletter.

**Submitted by:**  
**Valeria Amburgey**  
**College Vice-President**  
[AMBURGEY@nku.edu](mailto:AMBURGEY@nku.edu)

## News from Kentucky Department of Education

### Mathematics Achievement Fund Grant

#### [Math Achievement Fund Round 3 RFA Issued](#)

The Office of Teaching and Learning is issuing a [Request for Application \(RFA\)](#) for a primary program Mathematics Achievement Fund grant. Kentucky public school districts should apply on behalf of individual schools. The grant will fund mathematics diagnostic assessment and intervention services and program(s) for students in the primary program who are struggling with mathematics. Application deadline is Dec. 17.

<http://www.education.ky.gov/KDE/Administrative+Resources/Grant+Information/Competitive+Grants+from+KDE/Ma>

### The Combined Curriculum Document

The Combined Curriculum Document (CCD) is a resource created by the Kentucky Department of Education to show the connection between the Academic Expectations (what students should know and be able to do as a result of their school experience), the Program of Studies (the minimum required content standards students shall be taught to meet the high school graduation requirements), and the Core Content for Assessment Version 4.1 (the content that is appropriate to be included on the state assessment).

<http://www.education.ky.gov/KDE/Instructional+Resources/Curriculum+Documents+and+Resources/Teaching+Tools/>

### Educational Planning and Assessment System (EPAS) tests from ACT

<http://www.education.ky.gov/KDE/Administrative+Resources/Testing+and+Reporting+/District+Support/ACT+Inc+As>

As mandated by [Senate Bill 130](#), beginning in the 2007-2008 school year, all Kentucky public school students are required to take the Educational Planning and Assessment System (EPAS) tests from ACT. Eighth grade students will

take Explore, tenth grade students will take the PLAN, and eleventh grade students will take the ACT. In addition, any student may take the WorkKeys assessment one time in grades 10, 11, or 12.

Click on the links below to download information, tools, and resources for school and district use.

A [2007-08 KY DAC Guide](#) has been developed to give an overview of all of the ACT assessments and is available here or on any of the EXPLORE, PLAN, ACT or WorkKeys pages.

[Content Area Benchmarks](#)

## Kentucky Core Content Test (KCCT) Released Items

[Link to Released Items](#)

... **Released items** are representative

of assessment **items** from the Spring 2007 Kentucky Core Content Test (KCCT). ...

<http://www.education.ky.gov/KDE/Administrative+Resources/Testing+and+Reporting+/District+Support/Link+to+Rel>

## Minimum High School Graduation Requirements

<http://education.ky.gov/KDE/Instructional+Resources/High+School/Refocusing+Secondary/High+School+Graduation+>

**Minimum High School Graduation Requirements** (For classes through 2011)

Algebra I, Geometry, and one elective

**Minimum High School Graduation Requirements** (Beginning with Class of 2012)

Algebra I, Geometry and Algebra II (An integrated, applied, interdisciplinary or technical/occupational course that prepares a student for a career path based on the student's Individual Learning Plan may be substituted for a traditional Algebra I, Geometry or Algebra II course on an individual student basis if the course meets the content standards in the program of studies. Pre-Algebra shall not be counted as one of the three required Mathematics credits for high school graduation but may be counted as an elective.) Mathematics shall be taken each year of high school.

## Developing Quality Open Response and Multiple Choice Items for the Classroom

<http://www.education.ky.gov/users/jwyatt/PlanningGuide/Developing%20KCCT-like%20Questions.pdf>

[Developing Quality Open Response and Multiple Choice Items for the Classroom](#)

KDE's Open Response Questions in the Classroom manual has been revised. The updated manual now contains guidance for constructing both KCCT-like open response and multiple choice items. Tips for creating scoring guides and improving classroom practice, as well as an electronic open response template are also included. PDF Version Developing Quality Open ... [More](#)

## IDEA Festival

<http://www.education.ky.gov/KDE/Instructional+Resources/Curriculum+Documents+and+Resources/IDEA+Festival.h>

Last Updated on Wednesday, October 10, 2007 at 5:02 AM

The Kentucky Department of Education, in conjunction with the Kentucky Science and Technology Corporation and the 2008 IDEA Festival in Louisville, invited the President and Executive Director from the National Council of Teachers of Mathematics (NCTM) and the National Science Teachers Association (NSTA) to speak about current national work in mathematics and science. The presenters focused on the Mathematics Focal Points and the Science Anchors projects.

With an increased emphasis and awareness of the need to improve the teaching, learning, and pursuit of careers in sciences and mathematics in the 21st century, it is imperative that key stakeholders have the latest information regarding national initiatives that impact education both locally and nationally. These projects will likely have a profound influence on mathematics and science education at all levels.

## End of Course Exam

Work continues on the development of end of course exams. They will be piloted this spring

During the 2006 session of the Kentucky General Assembly, House Bill 197 was passed to establish a pilot program in end-of-course testing for Algebra I, Algebra II and Geometry. KDE is considering various options for the design and implementation of end-of-course assessments and has entered into an agreement with eight other states in the

development of the Algebra II End-of-Course Exam, sponsored by Achieve, Inc.

**Submitted by:**

**Ann Bartosh**

**KDE Representative**

[Ann.Bartosh@education.ky.gov](mailto:Ann.Bartosh@education.ky.gov)

## National Council of Teachers of Mathematics News

### E-Workshops

NCTM's E-Workshops provide an interactive overview of grade-band specific expectations as defined in NCTM's *Principles and Standards for School Mathematics*. The E-Workshops use activities from NCTM's Navigations series and NCTM's journals, to provide insights into ways of using these materials in the classroom. There are E-Workshops on Reasoning with Data Analysis and Probability, Implementing the Algebra Standard, and Geometric Thinking. Visit [nctm.org/eworkshops](http://nctm.org/eworkshops) for a full list of the E-Workshops, including the 2008 dates!

### NCTM 2008 Annual Meeting and Exposition

The theme of the NCTM 2008 Annual Meeting is: Becoming Certain About Uncertainty. The meeting will be held April 9-12, 2008 in Salt Lake City, Utah at the Salt Palace Convention Center. The Utah Council of Teachers of Mathematics will host the meeting. There are sure to be a wide range of topics covered at the 2008 Annual Meeting, including Assessment, Equity and Diversity Issues, Communications, Connections, Representation, Professional Development, Research, and Technology as well as virtually all mathematics content areas. Visit <http://www.nctm.org/conferences/content.aspx?id=11662> to learn more.

### Curriculum Focal Points for PreKindergarten through Grade 8 Mathematics

According to NCTM, the "Curriculum Focal Points are the most important mathematical topics for each grade level. They comprise related ideas, concepts, skills, and procedures that form the foundation for understanding and lasting learning." Read the Curriculum Focal Points for your grade level and learn more at [http://www.nctm.org/focalpoints.aspx?ekmense=c580fa7b\\_10\\_48\\_btnlink](http://www.nctm.org/focalpoints.aspx?ekmense=c580fa7b_10_48_btnlink).

### Thank you to Ruth Casey

Ruth Casey, the Registration Chair and Vendor Chair of the 2007 KCTM and T3 Regional Conference, is finishing her term on the NCTM Board of Directors. Thanks Ruth, for your service.

**Submitted by:**

**Beth Noblitt**

**President-Elect/NCTM Rep.**

[Noblittb@nku.edu](mailto:Noblittb@nku.edu)

## Northern Kentucky Council of Teachers of Mathematics News

Valeria Amburgey, our previous Treasurer, was honored for her many years of service on the NKCTM board.

Tammy Garnett from Ryle High School in Boone County has joined us as our new Secretary.

President Kathy Bulmer, High School Representative Kathleen Wonderling, and Treasurer Mike Waters, presented at the Center for Integrative Natural Sciences and Mathematics (CINSAM) meeting.

The NKCTM has showed its support for the newly formed Northern Kentucky Algebra Community (website: [www.nkyalgebra.org](http://www.nkyalgebra.org)) by presenting at the first face-to-face meeting which drew 55 Northern KY area Algebra teachers.

Our next conference is planned for November 23, featuring Dr. Ted Hodgson from the NKU Mathematics Department, who plans on speaking about "Mathemagic," geared towards Middle Grades teachers.

**Submitted by:**

**Mike Waters**

**NKCTM Representative**

[watersm1@nku.edu](mailto:watersm1@nku.edu)

## Japan Fulbright Memorial Fund

The Japan Fulbright Memorial Fund (JFMF) Teacher Program, sponsored by the Government of Japan, provides teachers and administrators with fully funded three-week study tours of Japan. The program is designed to increase understanding between the people of Japan and the United States by inviting U.S. elementary and secondary educators to visit Japan and share their experiences with fellow Americans upon their return. JFMF participants travel to Japan, learn about Japanese culture and education, and return to implement a self-designed plan to share their knowledge and experience with their students, colleagues, and community. In 2008, up to 400 educators from all 50 states and the District of Columbia will be selected to participate. Participants travel in one of two cycles: Spring cycle: Sun, Jun 8 – Thu, Jun 26, 2008; Fall cycle: Sun, Oct 12 – Thu, Oct 30. The 2008 online application is currently available on our website at [www.iie.org/jfmf](http://www.iie.org/jfmf) with a deadline of December 10, 2007. Contact: Institute of International Education. Tel 888-527-2636 (toll free); Fax 202-326-7672; Email [jfmf@iie.org](mailto:jfmf@iie.org); Web [www.iie.org/jfmf](http://www.iie.org/jfmf).

The Japan Fulbright Memorial Fund Teacher Program (JFMF), is an outstanding professional development opportunity for 1st thru 12th grade teachers and administrators. The JFMF Teacher Program, sponsored by the Government of Japan, provides U.S. educators with fully funded three-week study tours of Japan. The program is designed to increase understanding between the people of Japan and the United States by inviting U.S. elementary and secondary educators to visit Japan and share their experiences with fellow Americans upon their return. JFMF participants travel to Japan with other outstanding educators, learn about Japanese culture and education, and return home to implement a self-designed plan to share their knowledge and experience with their students, colleagues, and the community. Now in its 12th year, in 2008 JFMF will send up to 400 educators to Japan to take part in this educationally and culturally enriching program.

The deadline for the 2008 JFMF competition is December 10, 2007. Those interested may apply via the online application at [www.iie.org/jfmf](http://www.iie.org/jfmf). To request more information or if you have any questions, please contact me at 202-326-7718 or [sgundersen@iie.org](mailto:sgundersen@iie.org). Alternatively, you can call us toll-free at 1-888-527-2636. Thank you for your assistance in alerting your colleagues to the opportunities the JFMF Teacher Program provides.

**Submitted by:**

**Gloria Beswick**

**Middle School Vice President**

[grbeswick@aol.com](mailto:grbeswick@aol.com)

## Math Professional Development Opportunities in Partnership with the Kentucky Department of Education and PIMSER 2007-2008 Academic Year

### Math Leadership Support Network '07-'08

**Deadline: 8/19/2007**

**Who:**

The target audience for this training is K-12 teachers, administrators, special education teachers, and those in higher education interested in outreach or improving the quality of their pre-service teacher program.

**Overview of Training:**

The Network will support mathematics leaders with implementation of Core Content 4.1 and the revised Program of Studies (POS) to promote understandings that transfer from one grade to the next. In addition the network will work in conjunction with the Kentucky Department of Education Math Consultants and PIMSER Regional Teacher Partner Facilitators to design, pilot and revise products for the Kentucky Department of Education.

**Cost:**

\$1250.00 this price includes a.m. refreshments, materials, lunch, cost of facilitators, and the cost of facilities.

**When/Where:**

The group will have 8 meetings throughout the 2007-2008 academic year, and three meeting dates in the summer of 2008. Additionally, during the academic year there will be 3 locations to choose from.

**Madisonville**

Jan. 24

Feb. 21

Mar. 20

May 15

**Elizabethtown**

Jan. 25

Feb. 22

Mar. 21

May 16

**Lexington #1**

Nov. 29

Jan. 31

Feb. 28

Mar. 27

May 22

**Lexington #2**

Nov. 30

Feb. 1

Feb. 29

Mar. 28

May 23

**Facilitators**

Facilitating will be a joint effort between the Kentucky Department of Education and the Regional Teacher Partners of the Partnership Institute for Math and Science Education Reform.

Please click the links below for more information.

<http://www.arsi.org/registration/mlsnlex1/Leadership%20Support%20Network.pdf>

<http://www.arsi.org/registration/mlsnlex1/MSLSN%2006-07%20Brief%20Info%20Sheet.pdf>

**To register**

To REGISTER for any or all on-line go to <http://www.arsi.org> Once there Click on GROWTH then WORKSHOPS. Scroll until you see the description of the pd offering you are interested in. You will need a PO# or check to register.

**Math and Science Leadership Institutes (4 sessions instead of 11 sessions like the**

**Networks listed above)****Deadline: 9/7/2007****Target Audience:**

This target audience for the Institutes are administrators, instructional supervisors, and K-12 teachers including special education teachers

**Overview of Training:**

Our unit under The Partnership Institute for Math and Science Education Reform (PIMSER) will be facilitating meetings to support mathematics and science leaders with developing expertise to improve their mathematics and science programs. Training will focus on research based strategies for effective implementation of standards outlined in the Core Content 4.1 and the Program of Studies to promote enduring understandings in all students. This training will not be as in-depth as the Networks which meet for 11 meetings.

**Cost:** \$400.00/participant, this price includes a.m refreshments, lunch, materials, cost of facilitators, and facilities.

**When/Where:**

The group will have 4 meetings throughout the 2007-2008 academic year. Additionally, there are 4 locations to choose from.

**Paducah**

Jan. 28

Feb. 18 (snow date)

**Prestonsburg**

Jan. 10

Feb.15 (snow date)

**Williamsburg**

Jan. 17

Feb. 7 (snow date)

**Ashland**

Jan. 11

**Facilitators**

Facilitating will by the Regional Teacher Partners of the Partnership Institute for Math and Science Education Reform.

Please click the link below for more information.

Coming soon!!

**To register:**

To REGISTER for any or all on-line go to <http://www.arsi.org> Once there Click on GROWTH then WORKSHOPS. Scroll until you see the description of the pd offering you are interested in. You will need a PO# or check to register.

**Network for New Math Teachers '07-'08****Deadline: 9/16/2007****Who:**

This training is targeted at new K-12 math teachers and new special education teachers.

**What:**

The Partnership Institute for Math and Science Education Reform (PIMSER) at UK will be facilitating meetings designed to address issues and concerns of the new math teachers (e.g., classroom management, understanding

and implementation of state documents).

**Cost:**

\$650.00 this price includes a.m refreshments, materials, lunch, cost of facilitators, and the cost of facilities.

**When/ Where:**

The group will have 6 meetings throughout the 2007-2008 academic year. Additionally, the group will meet in Lexington.

**Lexington**

Nov. 28

Jan. 30

Feb. 27

Mar. 26

**Facilitators**

Facilitating will be a joint effort between the Kentucky Department of Education and the Regional Teacher Partners of the Partnership Institute for Math and Science Education Reform.

Please click below for more information.

<http://www.arsi.org/registration/nmmtlexington/nmmt%20Brochure2.pdf>

**To register:**

To REGISTER for any or all on-line go to <http://www.arsi.org> Once there Click on GROWTH then WORKSHOPS. Scroll until you see the description of the pd offering you are interested in. You will need a PO# or check to register.

## Minutes of KCTM Board Meeting

August 18, 2007 10:00AM

KCTM Executive Board Meeting

Gheens Academy

Members Present:

Amy Herman	Gloria Beswick	Valeria Amburgey	Beth Noblitt
Mike Waters	Maggie McGatha	Barbara Jacobs	Bryson Perry
Kari Ostby	Susan Collins	Gina Foletta	

Approval of May Minutes

Gina made a motion to accept the minutes with no changes. Barbara seconded the motion.

Changes to Agenda

Maggie added item XI to the agenda to discuss an e-mail received from Tim Jacobbe.

Treasurer's Report

A treasurer's report was passed out. Recent checking account income totaling \$1825 consisted of conference registration, MESA registration and a transfer from savings. Recent expenses totaling \$1243.46 consisted of travel expenses and insurance for the conference. Insurance was purchased for Thursday through Saturday. Checking account balance now stands at \$1290.86. Savings account balance now stands at \$18,121.05. We will now try to maintain a \$10,000 minimum balance in savings.

Conference Report

Well over 100 speaker proposals have been received, but we still need more. 13 T-cubed instructors have sent

proposals. (4 have requested the free hotel accommodations) Arrangements are still being finalized for the volunteer shuttle for the T-cubed instructors. Less than 20 of the proposals received to date have been “none technology” sessions.

Approximately 200 conference registrations have been received to date.

2 Custodians and 2 Tech Assistants have been lined up for each day. Fayette County Schools will be paying them and we will be reimbursing them.

Natalie Feese is working on breakfast and lunch.

The MESA banquet will be at the conference hotel (Holiday Inn North) A cash bar will be available on the back deck before the banquet. A \$300 minimum will need to be received or KCTM will need to pay the bartender’s hourly wage. A \$1500 minimum will be charged for the banquet. The menu will be Boneless Chicken, salad, roll, chef’s choice of vegetables, and dessert. The hotel’s charge is \$17.95 per person with a \$3.00 dessert upgrade available. Our charge is \$20.00.

#### Newsletter Report

The next deadline for submitting articles to Kari is November 1<sup>st</sup>. A postcard will be mailed to members in November informing them when the newsletter is ready. The postcards will be prepared at the November board meeting.

#### KDE Report

Ann was unable to attend the meeting and did not send a report.

#### Elections Committee Report

The ballot will be included with the conference mailing.

Nominees are Janet Penrod and Leslie Robertson for Elementary Vice-President. Valeria Amburgey for College Vice-President and Barbara Jacobs for Treasurer.

#### Membership Benefits Subcommittee Follow-up Discussion

Gina contacted Kathy Mowers concerning the feasibility of a listserv for members. Concerns included that someone will need to be responsible for maintaining a current list of members and their e-mail addresses. Some schools will not allow the listserv to pass through their firewall. Maggie suggested that Ruth could perhaps continue on as conference registration chair and Mike Waters could become the membership chair. Mike was present at the meeting and was willing to accept the position of membership chair. Kathy Mowers was not present at the meeting, but spoke with Gina shortly afterward with suggestions on how the listserv could possibly be maintained. Ruth was not present at the meeting, but spoke with Maggie shortly afterward and expressed her desire to remain both conference registration chair and membership chair as the two roles are so closely related. Discussion will continue at the November meeting.

#### Policy manual/By-laws Discussion

Please review your sections of the policy manual/by-laws and share your concerns with Gina. Gina will look over your concerns and present them to the board when appropriate.

#### Stuff envelopes for fall meeting

Board members prepared the conference mailing at the conclusion of the meeting.

#### Petition for Affiliate Group

Tim Jacobbe sent an e-mail to Maggie requesting a new affiliate group for UK students. Maggie will contact him and encourage him to speak with Natalie Feese and become an active member in LCTM.

#### KCTM Conference – October 19-20

Next board meeting will be November 17 at the Gheens Academy (10:00AM)

#### **Submitted by:**

**Susan Collins**

**KCTM Secretary**

**WKCTM Representative**

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