

September 12, 2014

## UBC Mathematics Workshops for Grades 6 through 12

In 2014/2015, the UBC Mathematics Department, together with the Pacific Institute for the Mathematical Sciences (PIMS), is again sponsoring math workshops in BC schools aimed at students in Grades 6 through 12. Workshops are conducted by UBC faculty, graduate students, and undergraduate students. We also have a course, Math 414 “Mathematical Demonstrations”, connected with our workshops. **There is no charge to schools**, but please make every effort to have at least 20 students present since the workshop volunteers are giving up valuable time.

**Aim:** To excite students about mathematics by exposing them to interesting and challenging problems, as well as to people who have chosen mathematics to be an important part of their life.

**Funding Sources:** UBC-SFU-UVIC-UNBC Calculus Challenge Examination fees, UBC Faculty of Science, UBC Department of Mathematics, PIMS, COMC Challenge fees, Scientists and Innovators in the Schools Program through Science World.

### Format for Workshops:

1. A set of problems of varying difficulty is handed out. While students work on the problems, the workshop leader and accompanying assistants walk around the class observing work habits and giving pointers/encouragement to individual students. Students are encouraged to work in groups and may be called upon to present solutions. There will be a focus on good mathematical practices as well as communication skills.
2. Workshops are 1-2 hours in length and involve 20-30 students, though we are somewhat flexible should this not be possible for your school. We aim to have one workshop presenter for every eight students. **Teachers should be present and are strongly encouraged to participate.**

In 2014/2015, we expect to have over 100 workshops conducted by a number of UBC faculty assisted by UBC Math, Science and Engineering students. All workshops begin in October 2014 and will continue through May 2015.

To request a math workshop, please email [mathworkshops@math.ubc.ca](mailto:mathworkshops@math.ubc.ca) with the following information:

1. School name with address (including postal code)
2. Contact person with telephone number and email address
3. Grade level and number of students for the workshop
4. Preferred dates and times (include alternates)

We look forward to hearing from you.

Melania Alvarez  
PIMS BC Education Coordinator