

## Virtual Undergraduate Mathematics Seminars

Now that many semester-schools are returning for their spring semester, some math departments are hosting virtual undergraduate math seminars. **Mike Krebs** of Cal State Los Angeles has been building a list of general audience online math talks and has made that available: [Spring 2021 math talks](#). We will publicize upcoming talks that might be of interest to this newsletter's audience throughout the rest of the academic year.

**Professor Lauren Rose** of **Bard College** (just down the Hudson) will be giving the next talk in Kutztown University's Association for Women in Mathematics virtual lecture series.

**Date/time:** Tuesday, February 9 at 5pm

**Location:** Zoom ID: 964 4012 0430



**Title:** Ready, SET®, Go!

**Abstract:** The popular card game SET® has been studied extensively by mathematicians, and has been the topic of PhD theses, research articles, and books. We will start by introducing the game, describe some of the mathematics underlying this game, and then show how it connects to a current unsolved problem in mathematics. We will also introduce a related game, QUADS, which is currently being studied by Dr. Rose and her students.

## Summer Teaching Experience for Undergraduates in Math or Science

Thinking about teaching high school math? Union College is part of a network of about 60 liberal arts colleges and universities whose students are allowed to apply for a seven-week summer "Teaching Experience for Undergraduates" (TEU) program at Brown University. Students selected for this program

- Earn a generous stipend (\$2500-\$3500) as well as room and board, plus travel expenses to and from Brown University,
- Take a 60-hour course in mathematics pedagogy, and
- Apply what they are learning to teaching urban high school students under the supervision of a master teacher-mentor.

After the TEU program, participants undertake a leadership project at their home institution and have the opportunity to travel to a conference to give a presentation about their experience.

This is a wonderful opportunity for students considering becoming a math teacher. For more information about the program and how to apply, go to the website [TEU.vassar.edu](http://TEU.vassar.edu). The application deadline is **February 28**, and the program is tentatively scheduled to start on June 14, COVID-dependent.

Interested in **science education** but perhaps not math education? The same TEU organization is running a parallel program in science hosted at Trinity College in Hartford, CT! Information and application materials are available at the same website [TEU.vassar.edu](http://TEU.vassar.edu). The application deadline is **February 28**, and the program is tentatively scheduled to start on June 1.

## Problem of the Newsletter: February 8, 2021

A solution to last week's problem has been posted at the math newsletter sites in Bailey Hall.

**This week's problem:** Find all pairs of natural numbers  $x, y$  such that

$$\frac{1}{x} + \frac{1}{y} = \frac{3}{2021}$$

Send solutions to **Professor Paul Friedman** ([friedmap@union.edu](mailto:friedmap@union.edu)) by noon, Friday, February 12.