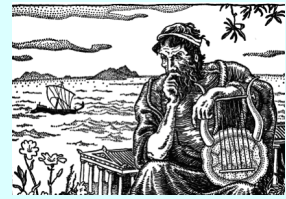
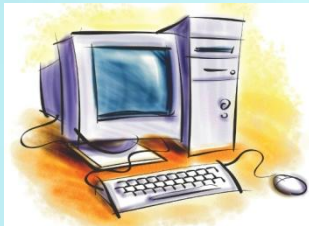


MONTHLY MATH HOUR AT UW

An hour of fun math for middle school students

Computer proofs in algebra



combinatorics and geometry

Sara Billey, UW, Dept of Mathematics

How does one prove a theorem using a computer? Which types of problems are amenable to computer proofs? How can you explain such a proof to someone else? What will be the role of computers in creating new mathematics in the future?

We will discuss some important examples including the 4-Color Theorem and Kepler's Conjecture. Both are known to be true because of computer assisted proofs. Both proofs have generated quite a bit of controversy, but still no human-only proof is known for these two theorems. Come learn about this revolutionary technique for yourself.

UW Seattle campus, Savery Hall, Room 260

Sunday, May 15th, 1-2pm

This event is part of a series.

Further information, campus maps and driving directions can be found at

www.math.washington.edu/~mathcircle/mathhour