DALHOUSIE MATHEMATICS COLLOQUIUM

Monday March 26, 3:30 pm, Chase 319

Speaker: Imran Anwar
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Ancient Greek Conjectures on Constructible Length

In this talk, I will present an algebraic approach to answer the following geometric problems posed by Greeks:

(1) Doubling the cube.
(2) Trisecting an angle.
(3) Squaring the circle.

These problems deal with the straight edge and compass constructions a classical approach to study algebra. The ancient Greek mathematicians first attempted compass-and-straightedge constructions, and they discovered how to construct sums, differences, products, ratios, and square roots of given lengths.