

Proofs that developed when students said,

“What if?”

What: Bi-State Math Colloquium

When: Wednesday, May 8, 4:00PM

Where: Loras College, Hennessy 350

Who: Dick Smith

A....Three counting problems involving equally spaced arcs of a circle.

B....An investigation of an octagon that is centered in a square. The ratio of the areas of the octagon and the square produces triangular numbers as the side of the square changes.

C....Ways to develop non-congruent right rectangular prisms with integral edges and congruent oblique diagonals.

Dick Smith is an Associate Professor at the University of Dubuque. He earned his bachelor's degrees in mathematics and philosophy and a master's in education from Loras College and did his graduate work at the University of Iowa. Before joining the University of Dubuque faculty, he taught at Wahlert High School, Western Dubuque High School, and the Belin-Blank Center at the University of Iowa.