



# CLASSROOM CAPSULES

*Edited by  
Warren Page*

*Classroom Capsules serves to convey new insights on familiar topics and to enhance pedagogy through shared teaching experiences. Its format consists primarily of readily understood mathematics capsules which make their impact quickly and effectively. Such tidbits should be nurtured, cultivated, and presented for the benefit of your colleagues elsewhere. Queries, when available, will round out the column and serve to open further dialog on specific items of reader concern.*

*Readers are invited to submit material for consideration to:*

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## **Behold! The Arithmetic-Geometric Mean Inequality**

Roland H. Eddy, Memorial University of Newfoundland, St. John's, Newfoundland, Canada

$$\frac{a+b}{2} \geq \sqrt{ab}, \text{ with equality if and only if } a = b.$$

