



Problem of the Week #1

8/21/2017 to 9/3/2017

Rectangle I is inscribed in Rectangle II so that each side of Rectangle II contains one and only one vertex of Rectangle I. If Rectangle I measures 1 unit by 2 units and if the area of Rectangle II is $\frac{22}{5}$ units squared, find the perimeter of Rectangle II.

Solutions for this problem can be submitted to Dr. Brian Miceli at bmiceli@trinity.edu, or you can drop them off at his office, MMH 115F. People with correct solutions will be acknowledged on the next problem. For old problems, follow the “Problem of the Week” link at www.trinity.edu/bmiceli, and if you like these problems, you may be interested in the Putnam Exam. More information on the Putnam Exam can also be found at www.trinity.edu/bmiceli.