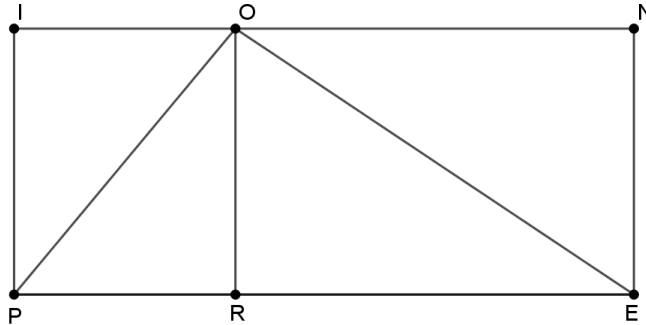# PROBLEM OF THE WEEK #10
## (Spring 2019)

In the figure below (not to scale), the sides of $\triangle POE$ and its height $PI$ are four consecutive integers. Find the area of rectangle $PINE$.



[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, April 10, 2019.

Every week, the best solution submitted earns a $10 Platteville gift certificate; the top scorer each semester also wins a cash award. Good luck!

You can always see the Problem of the Week (and complete rules) online at:

http://uwpmath.weebly.com/