PROBLEM OF THE WEEK #10

(Spring 2017)

Prove: If α and β are complementary angles, then $\tan(\beta - \alpha) + \sec(\beta - \alpha) = \tan\beta$.

[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, April 12, 2017.

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/