PROBLEM OF THE WEEK #1
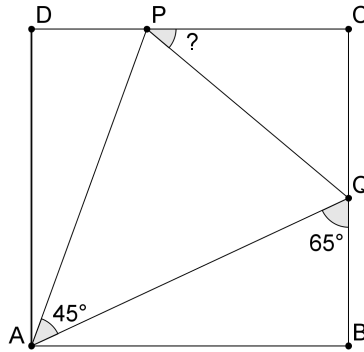(Spring 2017)

Triangle $\triangle APQ$ is inscribed in the square $ABCD$ as shown in the figure, so that $\angle PAQ = 45°$ and $\angle AQB = 65°$. Find the measure of angle $\angle CPQ$.

[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, February 1, 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/`