



PROBLEM OF THE WEEK #6
(Spring 2022)

After the Math Department's *Magic: the Gathering* tournament, the five competitors told their colleagues how it turned out. But, mathematicians being what they are, each competitor told only a half-truth: that is, one true and one untrue statement. Here's what they said:

Allen: Deis came in second. I finished third.

Black: I won the whole thing, and Chang finished second.

Chang: I got third place; poor Black was last.

Deis: I was in second place, and Frayer was fourth.

Frayer: I ended up fourth. Allen was the champion!

What were the true results? [Assume there were no ties.]

[Please fully explain your answer.]

Email solutions to kwonmi@uwplatt.edu by 2:00pm on Wednesday, March 9, 2022.

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/>