PROBLEM OF THE WEEK #10
(Spring 2024)

Evaluate (by hand) the definite integral $\displaystyle\int_0^1 x^m(1-x)^n \, dx$.

[Please fully explain your answer.]

Email solutions to `kwonmi@uwplatt.edu` by 2:00pm on Wednesday, April 10, 2024.

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/`