

Problem of the Week #4 (Fall 2017)

Find all prime numbers p for which $71p + 1$ is a perfect squa	Find all	prime r	numbers	p for	which	71p + 1	is a	perfect say	ıare
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[Please fully explain your answer.]

Solutions should be submitted to Cinda Furry, in Gardner Hall 435, by 4:00 P.M. on Wednesday, October 11, 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/