Can You Solve This Problem?

"Does there exist a power of 3 that ends in 000000000000000000000001?"

If you are an undergraduate and like to solve problems like this, then sign up to take the

PUTNAM EXAM

This year's Putnam Exam will be held on Saturday, December 1, 2007. The CSU Fresno Mathematics Department is offering $200 and $100 prizes to the Fresno students who place first and second (respectively) among Fresno students. (To be eligible, the students must receive a score of at least five points. In case of a tie for top score, the tied students will share a $300 award and there will be no second place prize. In case of a tie for second place, the tied students will share the $100 award.)

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Deadline for registration is Tuesday, October 9, 2007.