

# Problem of the Month

November

October 31, 2006

Submit solutions to the office of Dr. Corey Dunn, JB 322. Be sure your name is on it.  
Good luck!!!

**November's Problem:** Find all possible values of  $m$  and  $n$  so that  $18^{10}$  is the least common multiple of  $\{m, 6^{10}, n\}$  where  $m$  and  $n$  are distinct.