Kerry Ojakian's MTH 23.5 Class
Group Assignment #6

General Instructions: Work in a groups. Indicate all group member names on your submitted work. You must show work to be guaranteed full credit!

The Assignment

Pick one person to be the person whose mind is being read (call this person M). Pick another person who will be the mind reader (call this person R). The rest of the group members record the results of the following mind reading experiment:

> As a group pick some fixed set of objects person M can think of (for example: a number from 1 to 5; or Heads/Tails on a coin, or one of the four primary colors, etc). Then do a number of guessing rounds - in each round M thinks of one of these objects and R guesses the object. After R guesses, M announces if R is correct or not. Then do another round.

After doing a number of rounds, R will have some number correct and some number wrong. At least get me this data for partial credit!

Then, determine the probability that someone would guess as well as R or better. Use Excel! The smaller this probability, the more impressive R's guessing is!