Probability and Statistics (MATH 1530-017)

Attendance Quiz, March 17, 2009

NAME _____ E-NUMBER _____

Pick the letter of the best answer. The problems are worth 2 points each.

1. A study of cell phones and the risk of brain cancer looked at a group of 469 people who have brain cancer. The investigators matched each cancer patient with a person of the same sex, age, and race who did not have brain cancer, then asked about use of cell phones. This is
   (a) an observational study.
   (b) an uncontrolled experiment.
   (c) a randomized comparative experiment.
   (d) a sample experiment.

2. Here is the probability model for the director of *Three Stooges* films.

Director	Del Lord	Jules White	Ed Bernds	Other
Probability	0.21	0.55	0.13	?

   That probability that a randomly chosen *Three Stooges* film was directed by someone **other** than Del Lord, Jules White, or Ed Bernds is
   (a) 0.25
   (b) 1.00
   (c) 0.11
   (d) 0.01