MATH 135 **Quiz 1** **September 1, 2005**

NAME: _____

(1) You ask 160 students to answer the question: Do you still hug your parents? You used the one-coin method, and 90 people answer "yes." Estimate how many students in our sample still hug their parents. (One-coin method description: If you flip a head, answer"yes"; if you flip a tail, tell the truth.)

(2) Make up a question for which the one-coin method is not appropriate. Explain your answer.

(3) Classify each of the following variables as either categorical or numerical. For those that are numerical, determine whether they are discrete or continuous.

(a) Brand of computer purchased by a customer

(b) Number of siblings

(c) Price of a textbook

(d) Zip code

(e) Actual weight of coffee in a one-pound bag