Math 107-03 13 Name_____ **Date** _____

Show all work for full credit

1. (40 pts) Assume Coke bottles labeled as containing 24 oz actually have contents which are normally distributed with mean 26 oz and standard deviation 1 oz. What percentage of such bottles contain

Between 25 oz and 27 oz?

Between 24 oz and 28 oz?

2. (60 pts) Assume new Honda Prius car prices are normally distributed with mean $25K and standard deviation $2K. What percentage of people pay:

Over $25K?

Under $27K?

Under $21K?