Math 104 - Quiz 6 Name_____

1. Suppose Clinton, Dole and Perot are running for president in 1996. Furthermore, suppose that Clinton has a 0.47 probability of winning, while Dole has a 0.48 probability of winning.

a. (2 pts.) What is the probability of Perot winning?

b. (2 pts.) What is the probability of Perot not winning?

2. (2 pts.) If the probability of having brown eyes is $\frac{2}{3}$, the probability of having straight hair is $\frac{1}{2}$ and the probability of having either brown eyes or straight hair is $\frac{3}{4}$, what is the probability of having both brown eyes and straight hair?

3. (2 pts.) In the dining hall, the odds in favor of having chicken soup served the day after chicken is served are 7 to 3. What is the corresponding probability?

4. (2 pts.) If the probability of snow falling in South Bend before December 1 is 0.75, what are the corresponding odds?