

Group _____ Names _____

Group Quiz for Section 2.2

1. I have three coins, one of which is fair, one of which lands on heads with probability $\frac{2}{3}$, and one of which lands on heads with probability $\frac{1}{3}$. I choose one of the coins (you can't see how!) and flip it, and it lands on heads. What do you estimate is the probability that I chose the coin which is biased towards heads? As usual, clearly state your assumptions and explain your reasoning carefully!