Problem 5.9

part a

Since the coin is fair the next toss should be just as likely to be a heads or a tail each time it is tossed, rather than being more likely to be a tail than a head.

part b

Since the coin is fair the next toss should be just as likely to be a heads or a tail each time it is tossed, rather than being more likely to be a head than a tail.

part c

The binomial formula contains p (the actual proportion) not the sample proportion.