Name	
	- · · · · · · · · · · · · · · · · · · ·

Mathematics 2602

Quiz 5 Prof. Margalit 5 October 2011

1. A fair coin is tossed six times. Find the probability that the total number of heads is strictly greater than the total number of tails.

$$= \frac{\binom{6}{4} + \binom{6}{5} + \binom{6}{6}}{26} = \frac{11}{32}$$

Solution 2.

$$=\frac{1}{2}\left(1-\frac{6}{3}\right)=\frac{11}{32}$$