

Quiz 3

Prob-Stats 3350
Fall 2008, R. Sinn

Name _____

Directions

- Please show all work.
- You may use the graphing calculator of your choice.
- Provide EXACT representations of your probabilities as well as ESTIMATES.

1. [6 pts] Hero holds TT preflop. He raises from EP, and gets 4 callers. The flop comes A J 7. He figures to be ahead if no one "caught a peice of the flop." The probability of any player "hitting the flop" is roughly $\frac{1}{3}$. What is the probability that:

- (a) All 4 opponents "miss the flop."
- (b) At least 2 opponents "miss the flop."
- (c) Exactly 3 opponents "miss the flop."

2. An urn holds 60 blue, 30 red and 10 green marbles. Find the probability that, if 5 are drawn without replacement:

- (a) At least 3 are blue.
- (b) None are red.