#7 Midterm

4 cards picked from 52 cards 52 C4 To get a pair we need to pick one value from 13 cards To yet 2 of that value we need to pick twice out of the 43 epecate hands Now we must pick 2 more cards that are not like our pair 12 Cz Now we must choose a 40,40= (40) 130,462 126246 57 cy next page

3 of a kind We want one value from the 13 cards 13/ To get the 3 values we must pick from the 24 separate hands. Now the last enrol most be picked that's not the same as the 3 of a kind Now we must choose a suit $\frac{13.4.12.4}{270,725} = \frac{2496}{270,725} = .0092$

We want one value
from the 13 inthedeck

13 C

We want to get
that value from each
hand

H

Cy

270725 = .000048

In my simulation I have a probability of having the same set of cards while in the calculation the sets of cards are unique.