

Stat 185 - In class problems  
Friday, September 29

1. Suppose that 60% of college students drink, 32% smoke, and 20% do both. What percentage of college students drink or smoke?

2. Referring to the table below, what is the probability that a student smokes, given

that they drink?	drinks	smokes 52	doesn't smoke 92
	doesn't drink	22	42

3. Suppose I draw a card from a well shuffled deck.

(a) What's the probability that I draw a red heart?

(b) What's the probability that I draw a red four?

4. I flip a coin five times. What's the probability that I get the following sequence of heads and tails: H,H,T,H,T?

5. I draw two cards from a well shuffled deck. What's the probability I draw a red Ace and then a black King?