Analysis H 2018-19 – Deggeller / Gleason / Hahn
Probability Quiz 2
No Calculators!

Odds-on-Favorite:	4.469			
Period:				

1. Out of 60 students surveyed, 42 use Facebook (F), and 33 use Instagram (G). 12 students use neither. Find...

a) $P(F \cap G)$

Make a diagram here!

17.3

b) $P(F' \cap G)$

12-13

c) $P(F' \cup G')$

2. Assume that the survey results from #1 are perfectly representative of all the teenagers in America. If I select 100 random American teenagers...

a) what is the probability that 80 of them are Facebook users?

b) how many of them would you expect to be Facebook users?

t random and then roll all the dice in the box and record the	he sum of the dice. Find
a) P (The sum of the dice is 6 I picked box A) =	
	Make a diagram here!
b) P (The sum of the dice is 6 I picked box B) =	

d) P (I picked box B | The sum of the dice is 6) =

c) P (The sum of the dice is 6) =

