## Algebra 2 Bellwork Tuesday, April 5, 2016

1. You take a survey asking people what their favorite UEFA Champions League team is. The results are in the table below:

	Real Madrid	Dortmund	AC Milan	Chelsea FC	Arsenal FC	Total
Male	15	13	18	22	37	105
Female	23	17	14	8	16	78
Total	38	30	32	30	53	183

You will select one person at random. Find each probability as a fraction.

a) P(Dortmund or Chelsea FC)=

b) P(AC Milan and Male)=

c) P(Female or Real Madrid)=

d) P(Neither Arsenal FC nor Male)=

e) If you asked 60 more people what their favorite UEFA team is how many of them would select AC MIIan?

2. Below is a Venn Diagram about lunch food that students like. You will select a person at random. Find each probability as a fraction.



a) P(likes Hot Dogs or Salad)

b) P(likes Nachos and Hot Dogs)

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c) P(likes Nachos only)

d) P(dislikes Salad)

e) Write a probability whose answer is 10+12

f) Write a probability whose answer is 6+9

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in the table below:

1. You take a survey asking people what their favorite UEFA Champions League team is. The results are

	Real Madrid	Dortmund	AC Milan	Chelsea FC	Arsenal FC	Total				
Male		1,3	18	22	37	105				
Female	23	17	14	8	16	78				
Total	38	30	32	30	53	183				

You will select one person at random. Find each probability as a fraction.



Mllan?



2. Below is a Venn Diagram about lunch food that students like. You will select a person at random. Find each probability as a fraction.



- e) Write a probability whose answer is 10+12
- f) Write a probability whose answer is 6+9