

Date - 3/5/19  
 Mr. Aguirre  
 Math 1342-13

~~Ex 5.2 ex~~

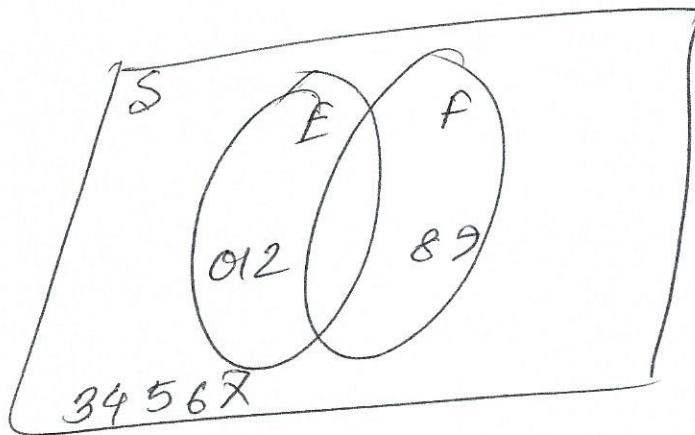
\* Probability:

\* Additional Rules and Complements:

See the attached file on  
 blackboard.

Ex } 5.2 ex  
 | 5.3 ex

Chapter 5 } 5.2  
 | 5.3



$$S = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

$$P(E) = \frac{3}{10} = 0.3$$

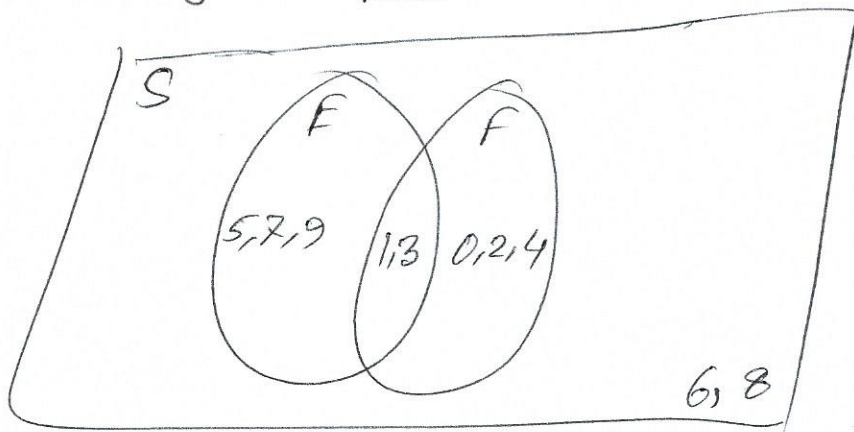
$$P(F) = \frac{2}{10} = 0.2$$

$$P(E \cup F) = \frac{N(E \cup F)}{N(S)} = \frac{5}{10} = 0.5$$

$$P(E \text{ or } F) = P(E) + P(F)$$

ex 1° Benford's law.

ex 2° Drawing a card. } non-disjoint events?



\* General addition rule.

\* contingency table or two way table:

$$F = \{0, 1, 2, 3, 4\}$$

$$F^c = \{5, 6, 7, 8, 9\}$$

$$E = \{1, 3, 5, 7, 9\}$$

$$E^c = \{0, 2, 4, 6, 8\}$$

$$P(E) + P(E^c) = 1$$

$$P(F) + P(F^c) = 1$$

$$E + F^c = S$$

$$P(E^c) = 1 - P(E)$$