- 8. Complete the following assignment prior to Meeting #8:
 - A. Study our notes from Meeting #7; comprehend Jim's sample responses to the Quiz #7 prompts that are posted on *Canvas*.
 - B. Comprehend the entry from Line #030 from our Glossary document.
 - C*. Examine each of the following propositions to determine whether or not it is true; indicate your determination in the usual way and then prove that the determination is correct (Please post the resulting PDF using the appropriate Canvas Assignment link):

i.
$$p(A^c)=1-p(A)$$

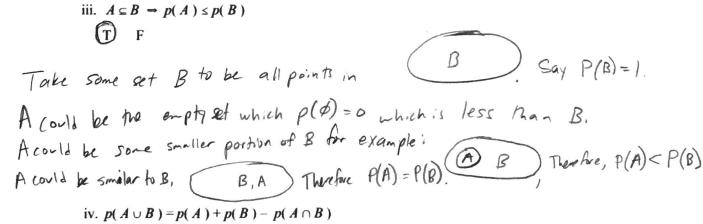
The probability of all the events is 1, and since A is an event with probability x , The probability of A not occurring is $1-\rho(x)=\rho(x^c)$

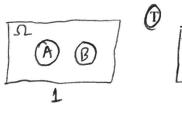
ii. $p(o)=0$

The empty set is an event, and the cardinality of $0=0$

Therefore $p(x)=0$

any number $x=0$.





From those 2 petures, we can clearly see that
this proposition is true. Picture 1 shows that if A
and B are mutually exclusive, P(ANB)=0,... P(AUB)

G=P(A)+p(B). Figure 2 shows that if A and B are
not mutually exclusive, P(A)+P(B) will count P(ANB)
twice. Therefore we must subtract 1 P(ANB).

D. Comprehend Jim's sample responses to Prompt 8-C's that are posted on Canvas.