Set Operations (Section 1.5) CONTINUED

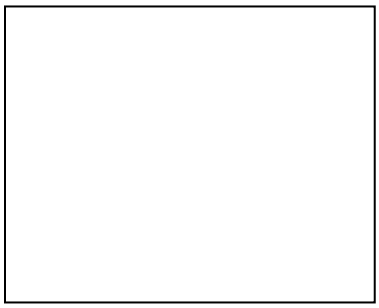
Assume $\boldsymbol{C \subseteq D}$, use a Venn diagram to represent this relationship.

Express each in a simpler way.

a. $C \cup D =$ _____

b. $C \cap D =$ _____

c. $C - D =$ _____



Cardinality of Sets

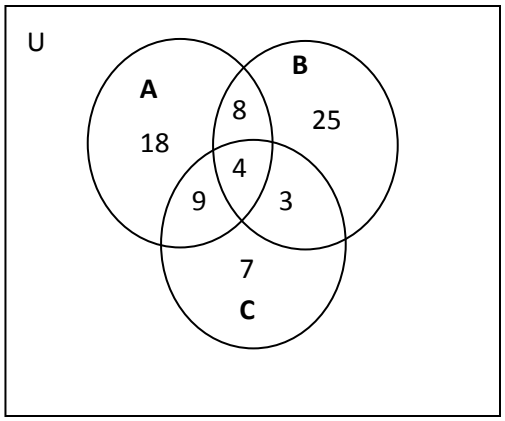
Use the number of elements in each region of the Venn diagram to find the following:

a. $n(B)$

b. $n(C \cap A)$

c. $n(A - B)$

d. $n((B \cup C) - A)$



Assignment for Monday 1/25

Finish pp. 14-15 in your Guided Notes

Section 1.5B **Supplemental Handout** (Pick up after Quiz)

Complete #51, 52, 54, 57, 59, 60, 63, 68, 72, 77-80 on pp. 50-52

Set Game Practice

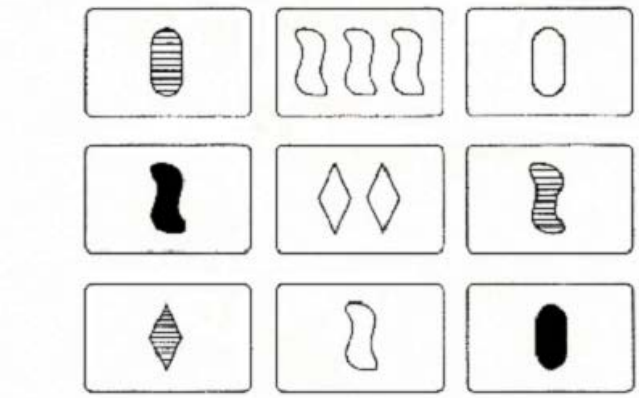
To find a SET you must answer each of the questions with a "YES".

1. Is the SYMBOL on EACH card either all the same or all different?

2. Is the NUMBER of symbols on EACH card either all the same or all different?

3. Is the SHADING (solid, outlined, or shaded) on EACH card either all the same or all different?

Find the 6 SETS of three cards in the layout below.



Draw each group of the cards that make a set.

Draw in the missing card

For any two cards, there is one unique card that will complete the SET.