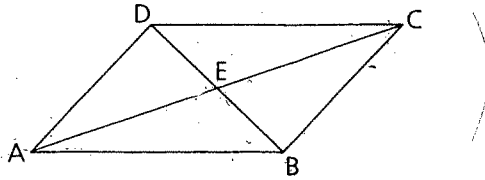


### Intersection and Union

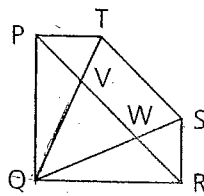
Let  $A = \{1, 3, 5, 7, 9, 11, 13, 15\}$ ,  $B = \{0, 3, 6, 9, 12, 15\}$ , and  $C = \{0, 2, 4, 6, 8, 10, 12, 14\}$ .  
Find each of the following.

6.  $A \cap B$  \_\_\_\_\_      7.  $B \cup C$  \_\_\_\_\_  
8.  $A \cap C$  \_\_\_\_\_      9.  $A \cup B$  \_\_\_\_\_  
10.  $B \cap C$  \_\_\_\_\_      11.  $A \cup C$  \_\_\_\_\_

12. a  $\overline{AB} \cap \overline{BC} = \underline{\quad? \quad}$   
b  $\overrightarrow{EC} \cup \overrightarrow{EA} = \underline{\quad? \quad}$   
c  $\overleftrightarrow{AC} \cap \overleftrightarrow{DB} = \underline{\quad? \quad}$   
d  $\overline{DC} \cap \overline{AB} = \underline{\quad? \quad}$   
e  $\overrightarrow{AC} \cap \overrightarrow{EC} = \underline{\quad? \quad}$   
f  $\overrightarrow{BA} \cup \overrightarrow{BC} = \underline{\quad? \quad}$   
g  $\overline{EC} \cup \overline{CB} \cup \overline{BE} = \underline{\quad? \quad}$



13. a  $\overrightarrow{QV} \cap \overleftrightarrow{TS} = \underline{\quad? \quad}$   
b  $\overline{WP} \cap \overline{VR} = \underline{\quad? \quad}$   
c  $\overrightarrow{WP} \cup \overrightarrow{VR} = \underline{\quad? \quad}$   
d  $\overrightarrow{SQ} \cup \overrightarrow{SR} = \underline{\quad? \quad}$



14. h  $\overrightarrow{EC} \cup \overrightarrow{FA} = \underline{\quad? \quad}$   
i  $\overline{EC} \cap \overline{FA} = \underline{\quad? \quad}$   
j  $\overrightarrow{BA} \cup \overrightarrow{BE} = \underline{\quad? \quad}$   
k  $\overleftrightarrow{AC} \cap \overleftrightarrow{DR} = \underline{\quad? \quad}$   
l  $\angle AFD \cap \overline{CE} = \underline{\quad? \quad}$

