

## Notes 2.4 Set Operations with 3 Sets

Given:  $U = \{a, b, c, d, e, f\}$ ,  $A = \{a, b, c, d\}$ ,  $B = \{a, b, d, f\}$ ,  $C = \{b, c, f\}$

1)  $A \cup (B \cap C)$

2)  $(A \cup B) \cap (A \cup C)$

3)  $A \cap (B \cup C')$

4)  $(A' \cap B) \cup (C' \cap B')$

5)  $A' \cap (C \cup B')$