

Let $U = \{a, b, c, d, e, f, g, h, i, j, k\}$

$$A = \{a, b, d, e, g\}$$

$$B = \{a, b, c, f, g\}$$

$$C = \{f, i, j, k\}$$

Find the following sets

1. $A \cup B$

5. $A \cap C$

2. $A \cup C$

6. $B \cap C$

3. $B \cup C$

7. A^c

4. $A \cap B$

8. B^c