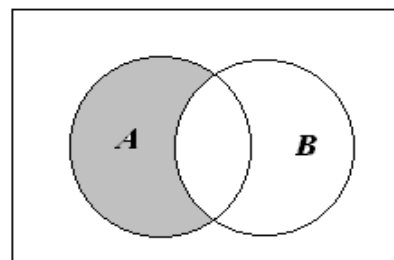
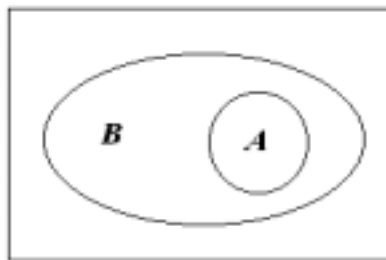


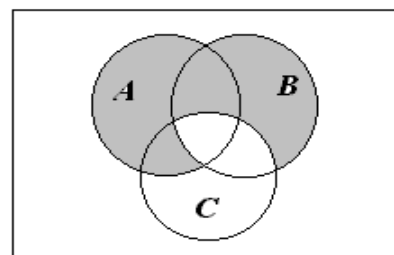
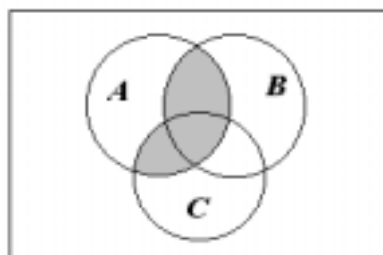
Tutorial Sheet 1 (Answers)

1. a) $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$
 b) $\{1, 4, 9, 16, 25, 36, 49, 64, 81\}$ c) \emptyset
2. a) = b) = c) and e) = f)
3. a) $A \subset B$ b) $B \not\subset C$ c) $C \not\subset D$ d) $A \not\subset \emptyset$
 e) $\emptyset \subset A$ f) $D \subset U$ g) $C \not\subset B$ h) $U \not\subset C$
4. a) $\{1, 2, 5, 8, 9\}$ b) $\{1, 8, 2, 5, 9\}$ c) $\{2, 5\}$
 d) \emptyset e) $\{1\}$ f) $\{8, 9\}$
 g) $\{1, 2, 5, 8, 9\}$ h) $\{1, 2, 5, 9\}$
 i) $\{1, 2, \dots, 7, 10, 11, \dots, 99, 100\}$

5. a) b)



- c) d)



- e)

