

1. (i) $n(A) = 366$
 (ii) $n(B) = 12$
 (iii) $n(C) = 7$
 (iv) $n(D) = 25$
 (v) $n(E) = 33$
 (vi) $n(F) = 7$
 (vii) $n(G) = 5$

6. (i) True
 (ii) ~~False~~ True
 (iii) ~~True~~ False
 (iv) ~~False~~ True
 (v) False
 (vi) False
 (vii) False
 (viii) False
 (ix) True
 (x) True

2. (i) infinite
 (ii) Finite \emptyset
 (iii) Finite

7. \emptyset and $\{3\}$

- (iv) infinite
 (v) infinite
 (vi) \emptyset

- (vii) infinite
 (viii) Finite
 (ix) \emptyset
 (x) Finite

3. (i) $\{birds\}$ and $\{trees\}$

4. (i) Equivalent
 (ii) ~~Equal~~ Equal
 (iii) Equivalent
 (iv) Equivalent
 (v) Equal
 (vi) Equal
 (vii) Equal
 (viii) Equal
 (ix) None

5. (ii) & (iii)