```
Assignment
1.(a) {4,6} (b) {0,1,2,3,4,5,6,7,8,9,10}
 (c) {4,5,6,8,10} (d) {0,2,4,6,7,8,9,10}
2. (a) 10/< 1A-B/<1AUB/<1ABB/ \( 1A)+1B/
 (b) IPISIAABISIAIS | AUB | SIU|
3.1a) symmetric
  (b) reflexive
 (c) reflexive
  (d) transitive
4-10) l, m
  (b) a, b, c
  (c) k, 1, m
  (d) b, c, e
5.(a) countably infinite. (0) (0,0) (0,0,0,0)
  (b) uncountable
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(c) finite (d) countably infinite.
$$R: A \rightarrow B$$
, $R = \begin{cases} (+1)^n \cdot 6 \cdot \frac{n}{2}, n = 2k \\ (-1)^n \cdot 6 \cdot \frac{n+1}{2}, n = 2k \end{cases}$ (ken)