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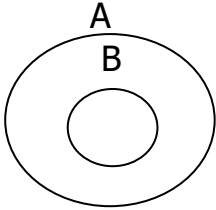
## P.5 MATHEMATICS WEEKEND HOME WORK - 2

Name \_\_\_\_\_ Stream \_\_\_\_\_

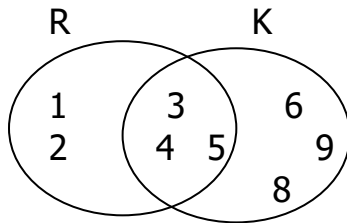
1. What is a set?
2. Mention any four types of sets.
3. Given that  $P = \{a, e, I, o\}$ . Find  $n(P)$
4. What does the  $\emptyset$  symbol stand for?
5. Set  $M = \{1, 2, 3, 4, 5\}$   $N = \{1, 3, 5\}$ , find.
  - a)  $M \cap N$
  - b)  $n(M \cap N)$

6. Given that set  $R = \{3, 5, a, y, 6\}$   $Q = \{1, 2, 3, 4\}$  Find  $R - Q$

7. Shade  $A - B$  in the diagram below.



8. Use the venn diagram to find;



a)  $n(K \cup R)$

b) List the members of  $k'$

9. Given that  $Y = \{\text{all prime numbers less than 10}\}$  List the members of set Y

10. Given that set  $M = \{1, 2, 3\}$ . Find the number of subsets in M.