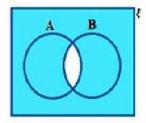
Instructions: Read and answer each question in the space provided.
A). State, whether the given set is infinite or finite :
(i) {3, 5, 7,}
(ii) {1, 2, 3, 4}
(iii) {, -3, -2, -1, 0, 1, 2}
(iv) {20, 30, 40, 50,, 200}
(v){Multiples of 5}
(vi) {Fractions between 1 and 2}
(vii) {Numbers of people in India}
B). Write down the elements of:
(i) set A; if set A contains the squares of the first five whole numbers.
= {
iii) set C; if set C contains the natural numbers upto 10.
= {
(iv) set D; if set D contains whole numbers between 20 and 40; all divisible by 4.
= {
(v) set E; if set E contains even natural numbers between 13 and 23.
= {
(vi) set F; if set F contains natural numbers between 15 and 40; each divisible by 3
or by 4.
= {
(x) set J; if set J contains months having 30 days.
= {
(xi) set K; if set K contains the last five months of the year.
= {

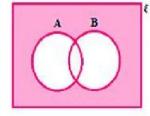
#LIVEWORKSHEETS

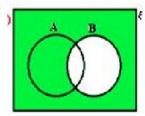
Name: Date: Subject: Grade:

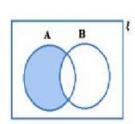
- C) . State whether the following are true or false:
- (i) If $A = \{5, 6, 7\}$ and $B = \{6, 8, 10, 12\}$; then $A \cup B = \{5, 6, 7, 8, 10, 12\}$.
- (ii) If $P = \{a, b, c\}$ and $Q = \{b, c, d\}$; then p intersection $Q = \{b, c\}$.
- (iii) Union of two sets is the set of elements which are common to both sets.
- (iv) Two disjoint sets have at least one element in common.
- (v) Two overlapping sets have all the elements in common.
- D). What set is represented by the non shaded portion in the following Venn diagrams?

A ∪ B A ∩ B B only everything but A only











E). Read the Venn diagram and answer the following.

(a)

A
B
C
d
g
h

(iv)
$$A \cap B = \{$$

(v)
$$U = \{$$