Worksheet 1 – Intersection and Union of Sets

For each given set below, find the intersection and union. Remember to use the curly braces and commas when listing members. (**DO NOT PUT SPACES BETWEEN THE ELEMENTS AND COMMAS)**

1. $A = \{1,2,3,4,5,6,7,8\}$ and $B = \{1,2,3,5,7,11\}$,

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

2. $A = \{4,5,6,7,10\}$ and $B = \{5,7,11\}$

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

3. $A = \{4,6,8,10,12\}$ and $B = \{3,6,9,12\}$

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

4. $A = \{0,2,4,6\}$ and $B = \{1,3,5\}$

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

5. $A = \{-3,-2,-1,0\}$ and $B = \{0,2,3,4\}$

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

6. $A = \{0,1,2,3,4,5\}$ and $B = \{6,7,8,9,10\}$

List the members of:

(a) $A \cap B =$

(b) $A \cup B =$

LIVEWORKSHEETS