ANSWER WORKSHEET 3

(ii) **14, 17**

2. (i) 0, 10, 20, 30, 40,

Rule : Add 10 to each terms

Next two terms are 50 and 60

(ii) -22, -18, -14, -10, -6,...

Rule : Add 4 to each terms

Next two terms are -2 and 2

(iii) 100, 98, 95, 93, 90,



Rule : Subtract 2 and 3 simultaneously from each terms90 - 2 = 88Next two terms are 88 and 8588 - 3 = 85

(i)
$$4^{th}$$
 term = $T_4 = (4 \times 4) + 7$

= 16 + 7

= 23

(ii) sum of 4^{th} and 7^{th} term = $T_4 + T_7$

$$T_4 = 23$$

 $T_7 = (4 \times 7) + 7$

= 28 + 7 = 35

Therefore, $T_4 + T_7 = 23 + 35$

= 58

4. (i)



(ii)

Figure Number	No : of intersection(s) between the circles
1	0
2	1
3	2
4	3
5	4
6	5
•	•
•	•
•	•
n	(n – 1)

(iii) We have for n^{th} figure, (n - 1) intersections

Therefore for 28 intersections, the value of n is

n – 1 = 28

n = 28 + 1

= 29