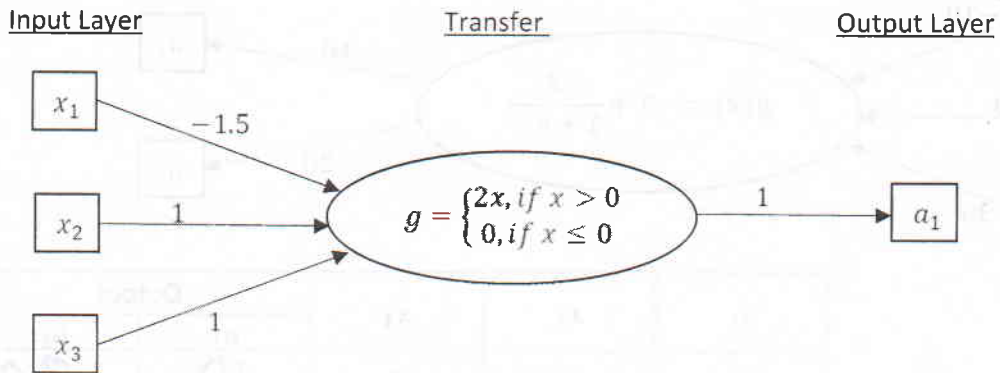
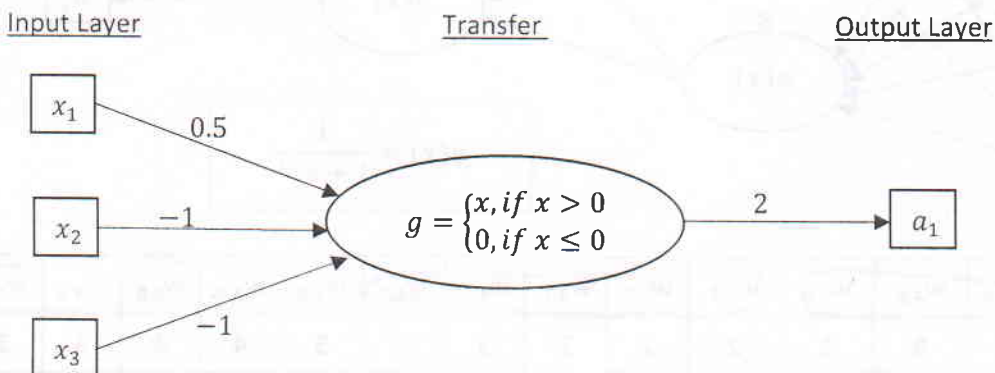


Evaluate the following perceptron networks with given inputs( $x_1, x_2, x_3, \dots$ ), weights( $w_{i,j}$ : weight from  $i$  to  $j$ ), and activation functions(ramp/step or sigmoid).

**Example 1)**Sample Input Data

$x_1$	$x_2$	$x_3$	Output
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

**Example 2)**Sample Input Data

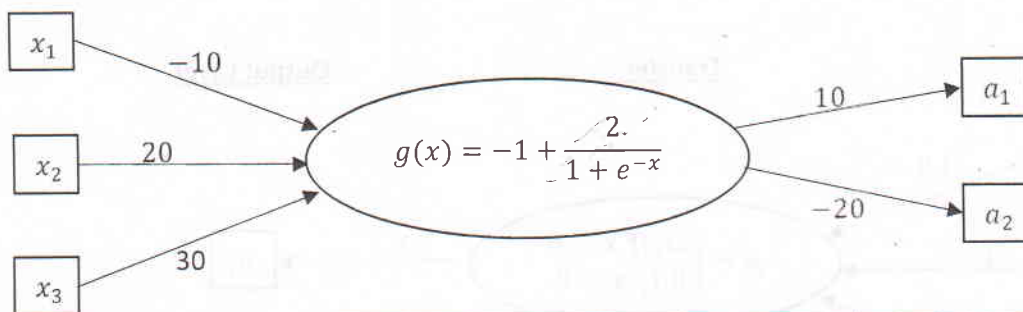
$x_1$	$x_2$	$x_3$	Output
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0

## Example 3)

Input Layer

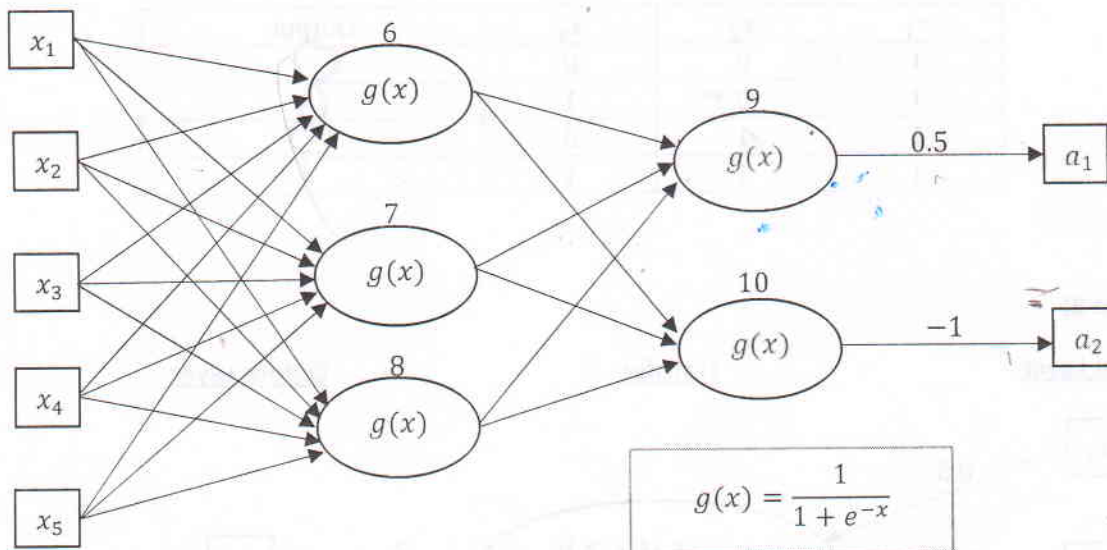
Transfer

Output Layer



$x_1$	$x_2$	$x_3$	Output	
			$a_1$	$a_2$
5	10	0	10	-20

## Example 4)



$w_{1,6}$	$w_{2,6}$	$w_{3,6}$	$w_{4,6}$	$w_{5,6}$	$w_{1,7}$	$w_{2,7}$	$w_{3,7}$	$w_{4,7}$	$w_{5,7}$	$w_{1,8}$	$w_{2,8}$	$w_{3,8}$	$w_{4,8}$	$w_{5,8}$
5	8	2	0	1	2	2	2	3	7	5	4	4	3	2
$w_{6,9}$	$w_{7,9}$	$w_{8,9}$	$w_{6,10}$	$w_{7,10}$	$w_{8,10}$	Weights								
0	1	7	5	4	3									

$x_1$	$x_2$	$x_3$	$x_4$	$x_5$	Output	
					$a_1$	$a_2$
5	2	3	1	4	0.500	-1.000