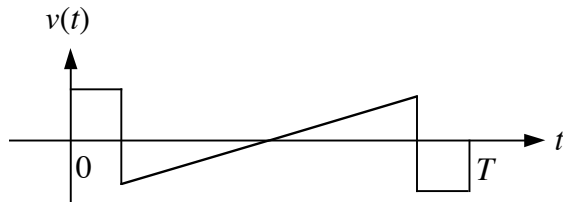
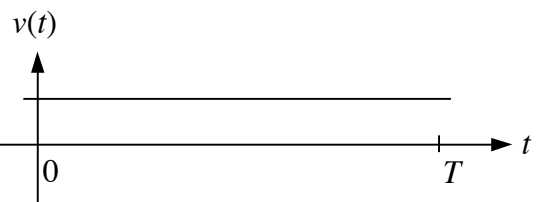


EX: Fill in the following table with check marks for the functions shown below.

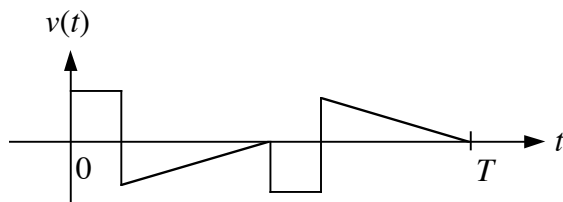
	(a)	(b)	(c)	(d)
The function is odd				
The function is even				
The function has shift-flip symmetry				
$a_v = 0$ (DC offset)				
All the a_k are zero (not including a_v)				
All b_k are zero for even-numbered subscripts				



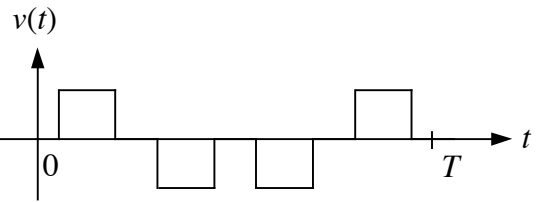
(a)



(b)



(c)



(d)

ANS:

	(a)	(b)	(c)	(d)
The function is odd	✓			
The function is even		✓		✓
The function has shift-flip symmetry			✓	✓
$a_v = 0$ (DC offset)	✓		✓	✓
All the a_k are zero (not including a_v)	✓	✓		
All b_k are zero for even-numbered subscripts		✓	✓	✓