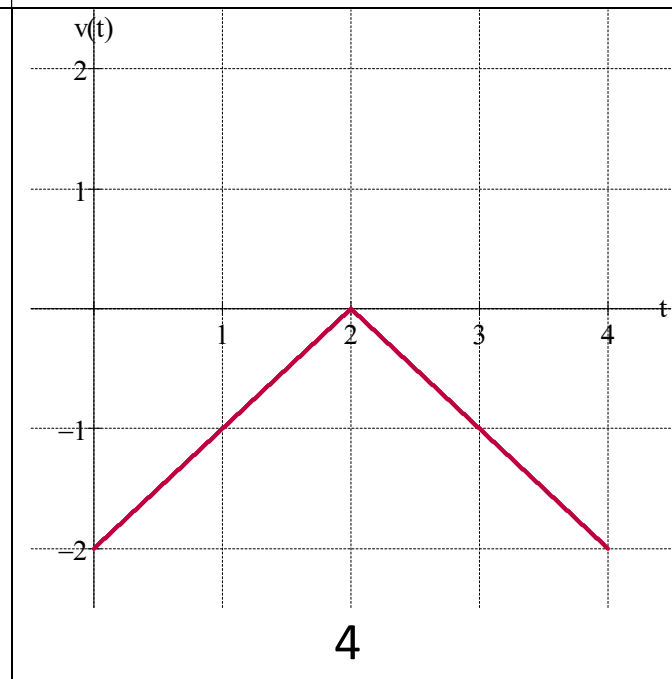
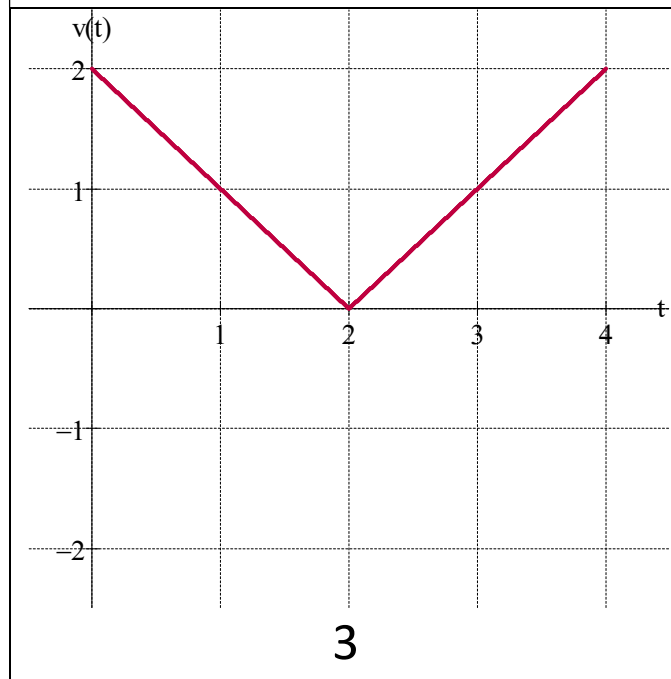
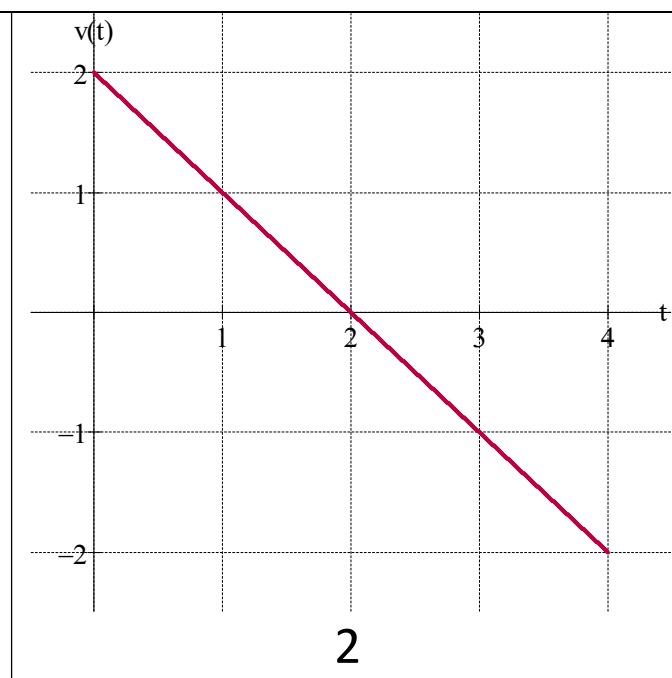
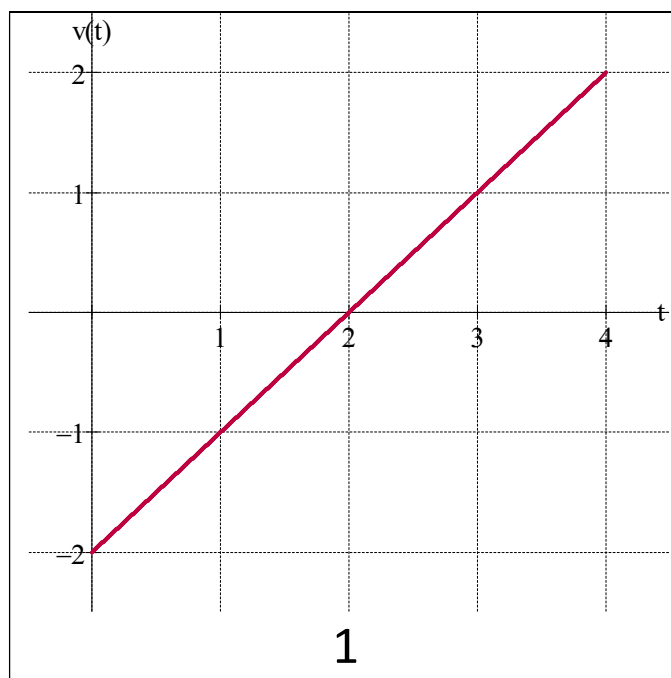
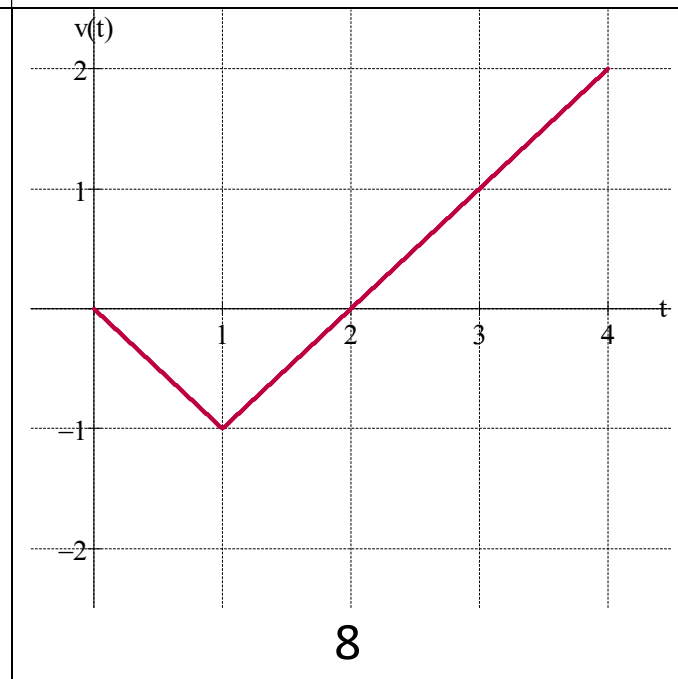
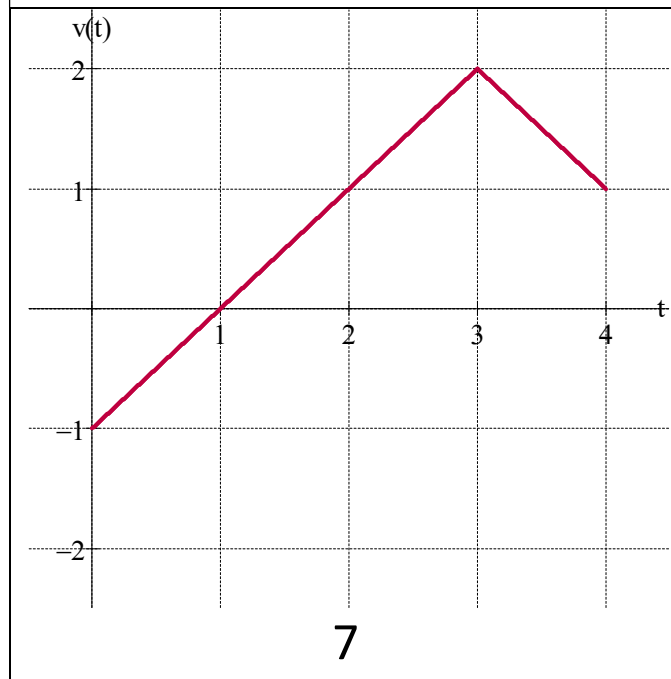
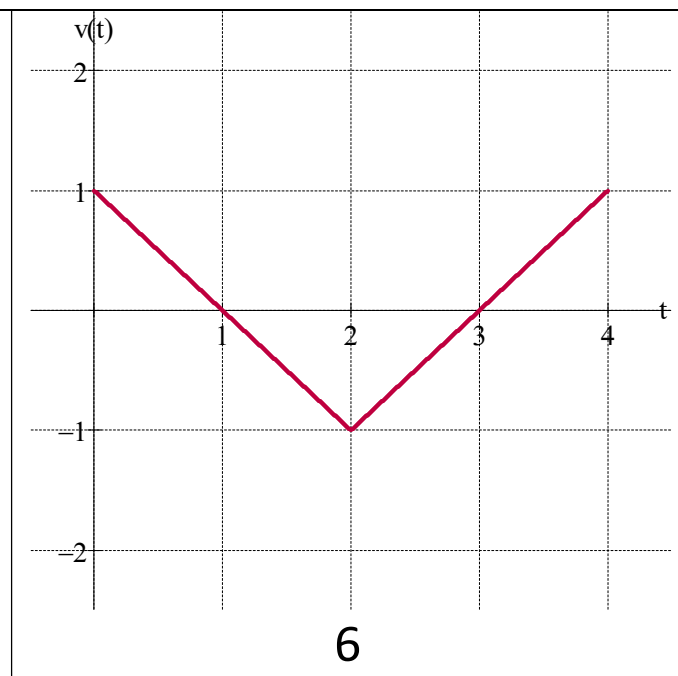
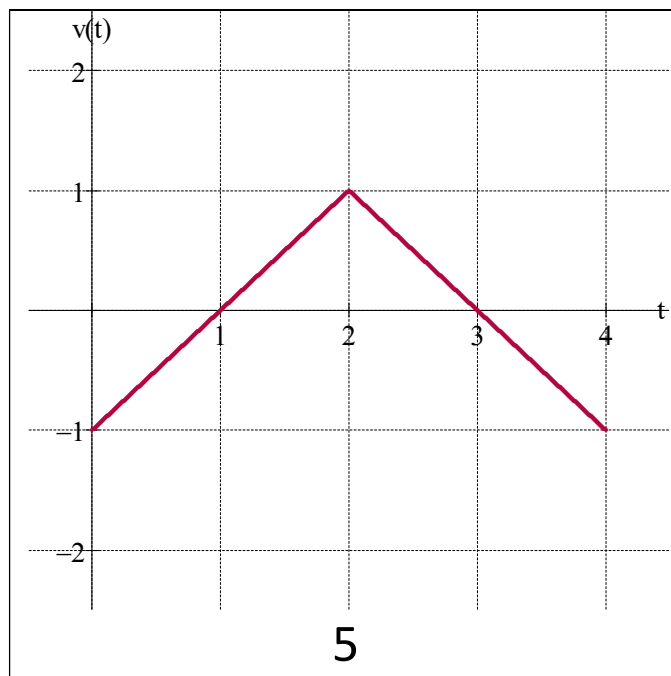


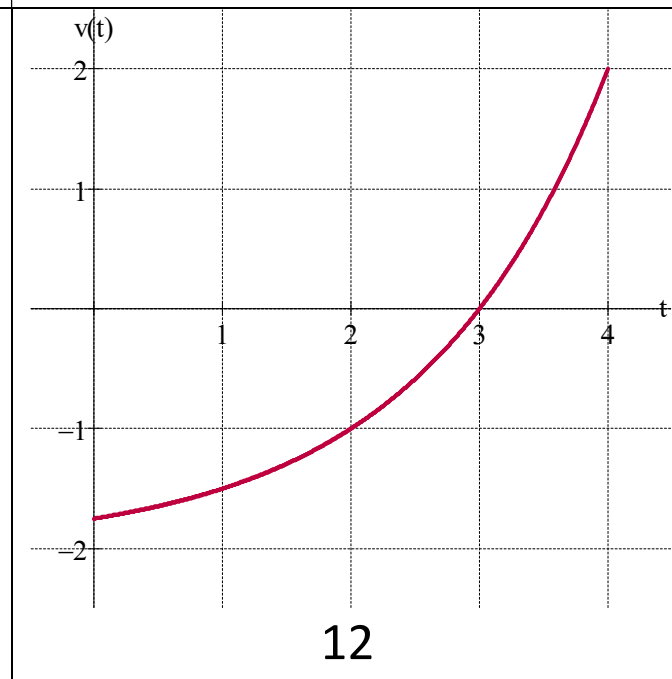
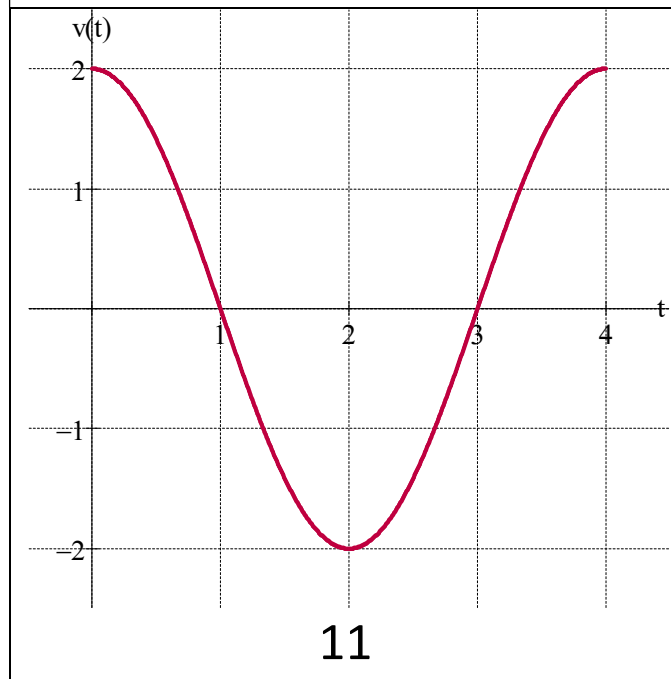
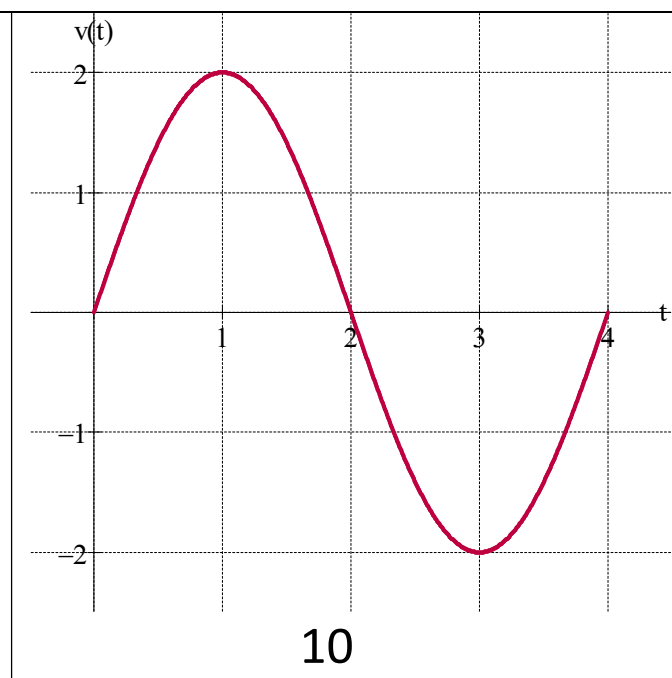
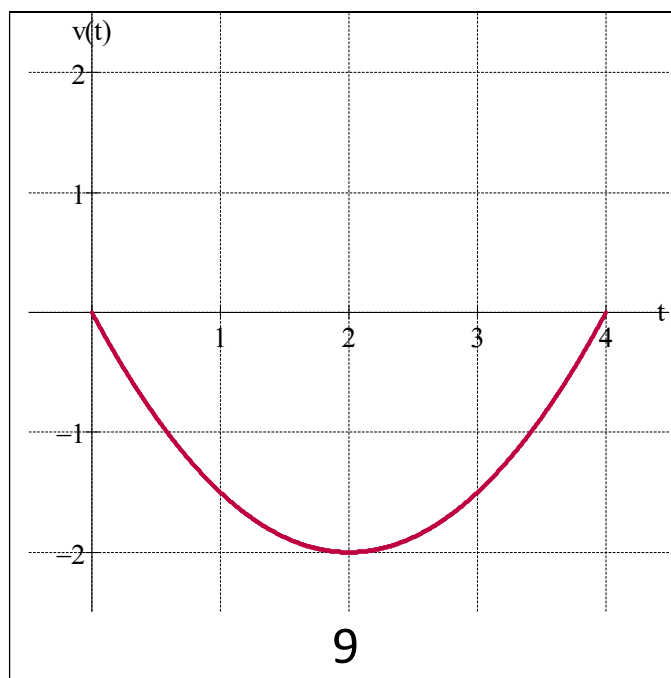
Velocity Game

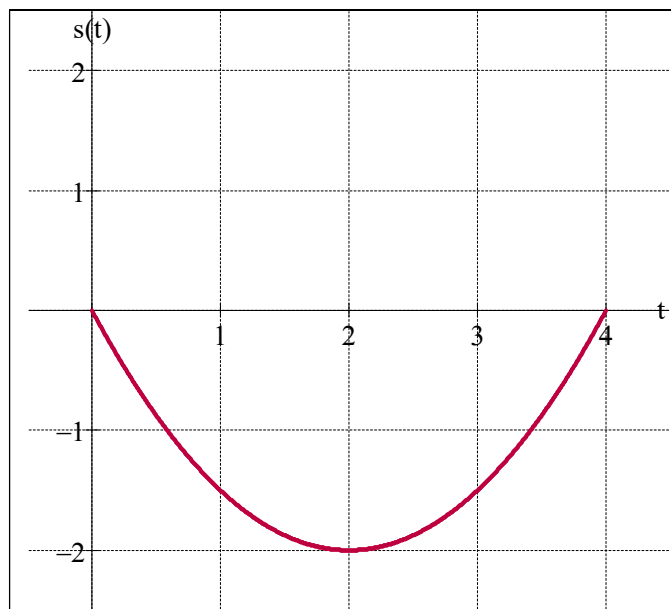
Each of the cards handed out represents a particle moving (in feet) during its first 4 seconds. Each particle starts out at a position of 0 and begins moving as instructed on the card. The cards are divided into three categories: the velocity graph, a verbal description, and a position graph of the object in motion. Your goal is to match the cards and fill out your answers in the table provided below:

VELOCITY GRAPH (1-12)	VERBAL DESCRIPTION (A-L)	POSITION GRAPH (I-XII)
1	A, D, K, L	XII
2	A, B, D, K, L	XI
3	C, D, L	III
4	D, L	VI
5	E, K	VIII
6	E, K	X
7	G	IX
8	A, D, H	I
9	I, J	VII
10	A, B, D, F, K	II
11	E, K	IV
12	L	V

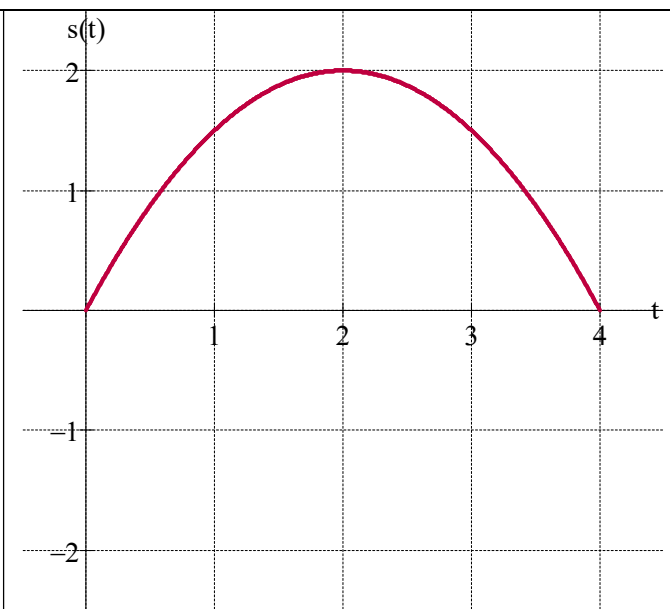




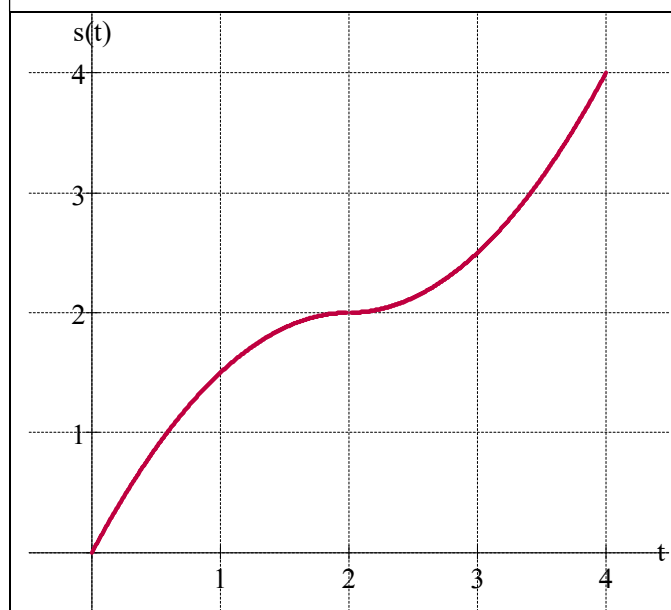




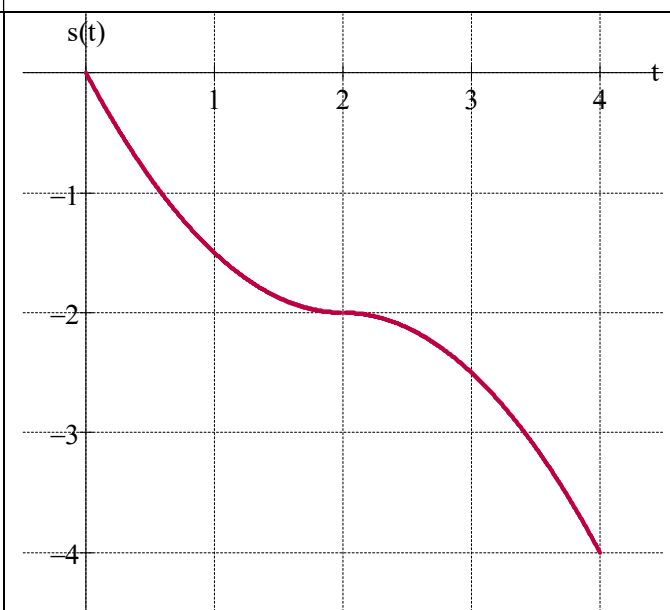
XII



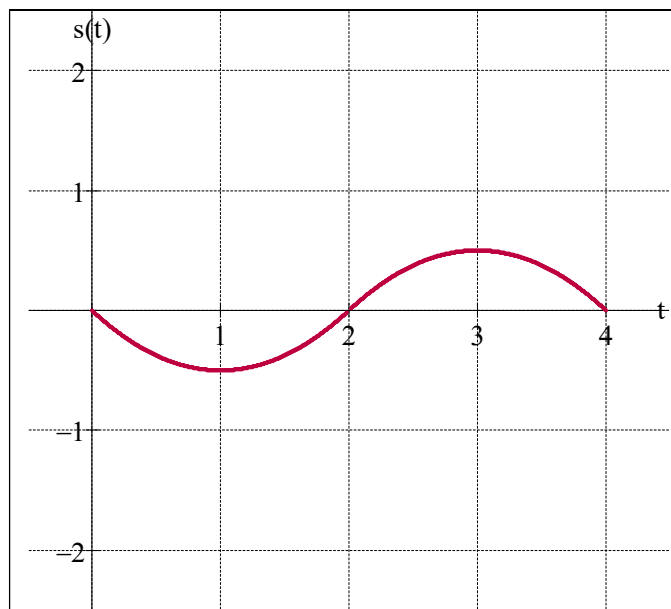
XI



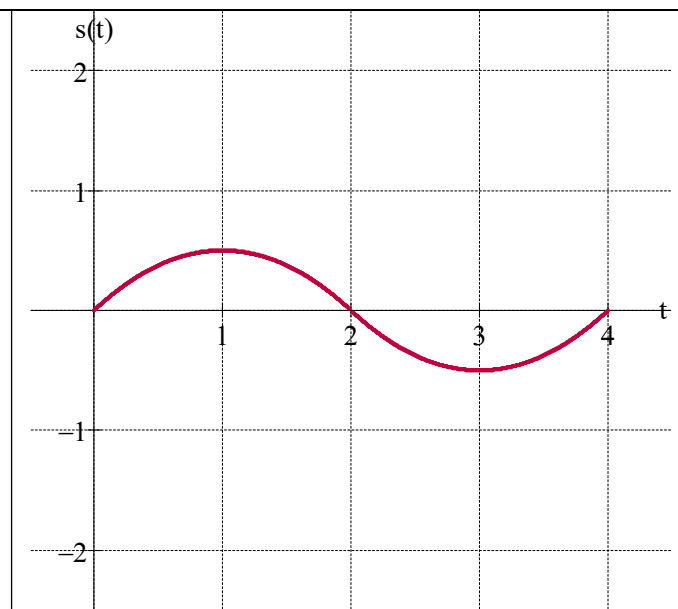
III



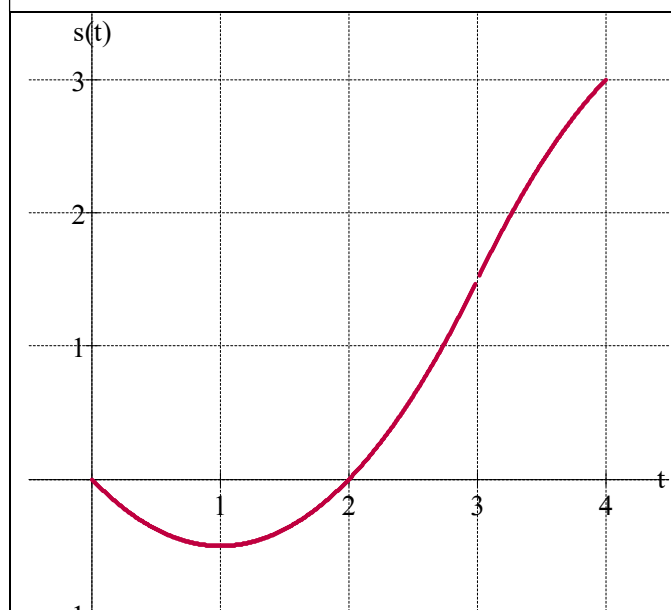
VI



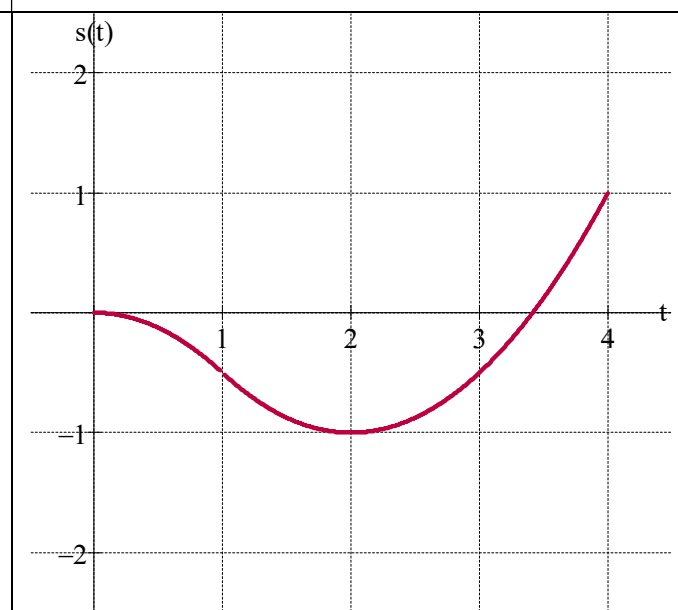
VIII



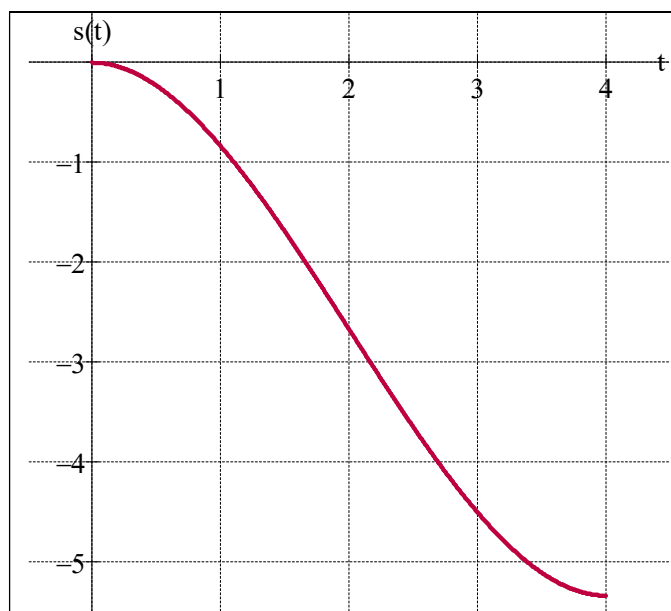
X



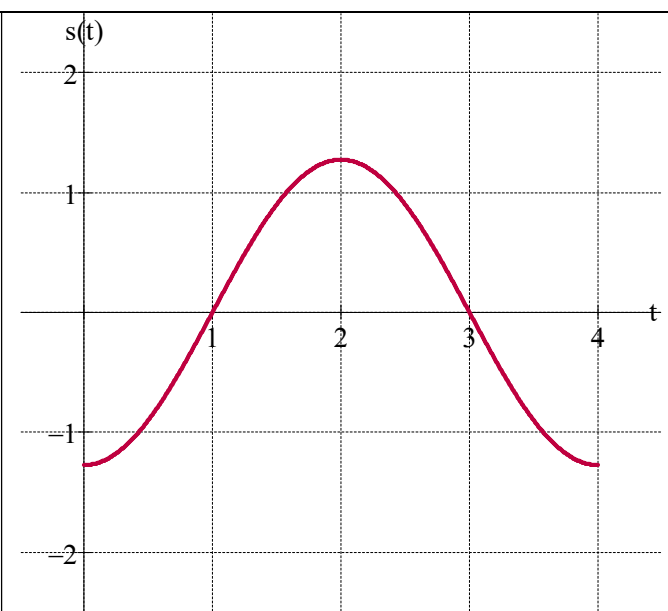
IX



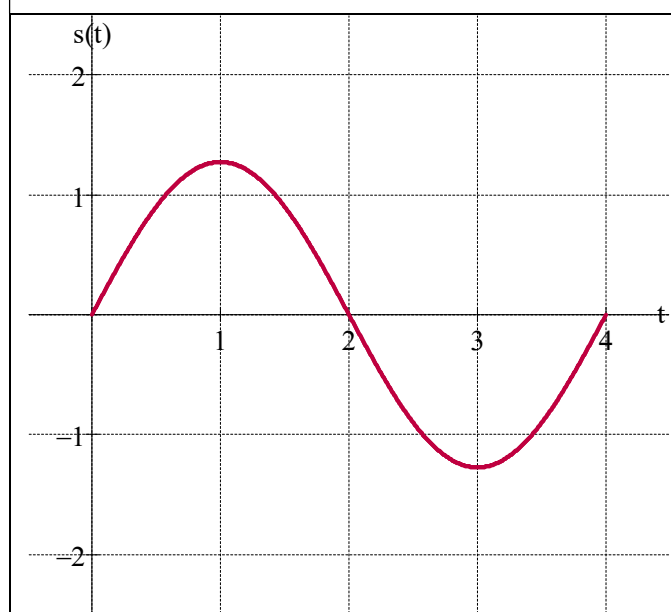
I



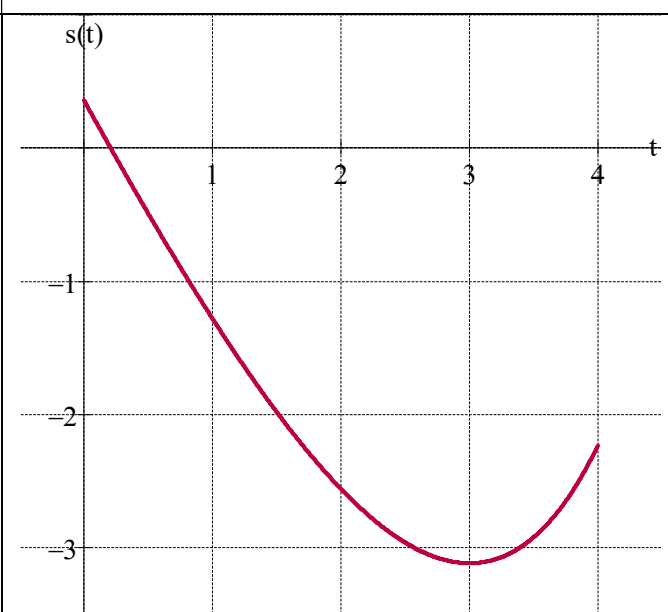
VII



II



IV



V

This particle changes direction at 2 seconds.

A

This particle travels a net distance of 0 over the four seconds.

K

This particle travels to the right the entire four seconds.

C

This particle slows down and then speeds up.

L

This particle stops at 2 seconds.

D

This particle travels a net distance of three feet over the four seconds.

G

This particle moves right and then left to end up back where it began.

B

This particle travels farthest to the left overall.

I

This particle changes direction twice over the four seconds.

E

This particle speeds up, slows down, then speeds up and slows down again.

F

This particle travels a total distance of three feet.

H

This particle speeds up and then slows down.

J