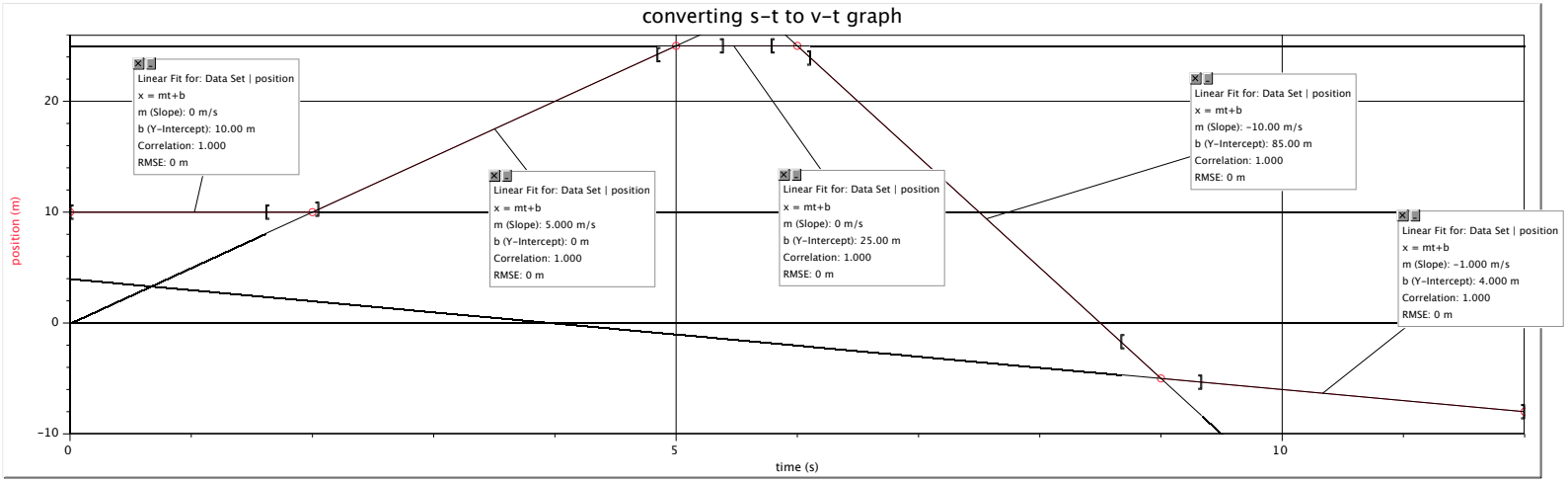
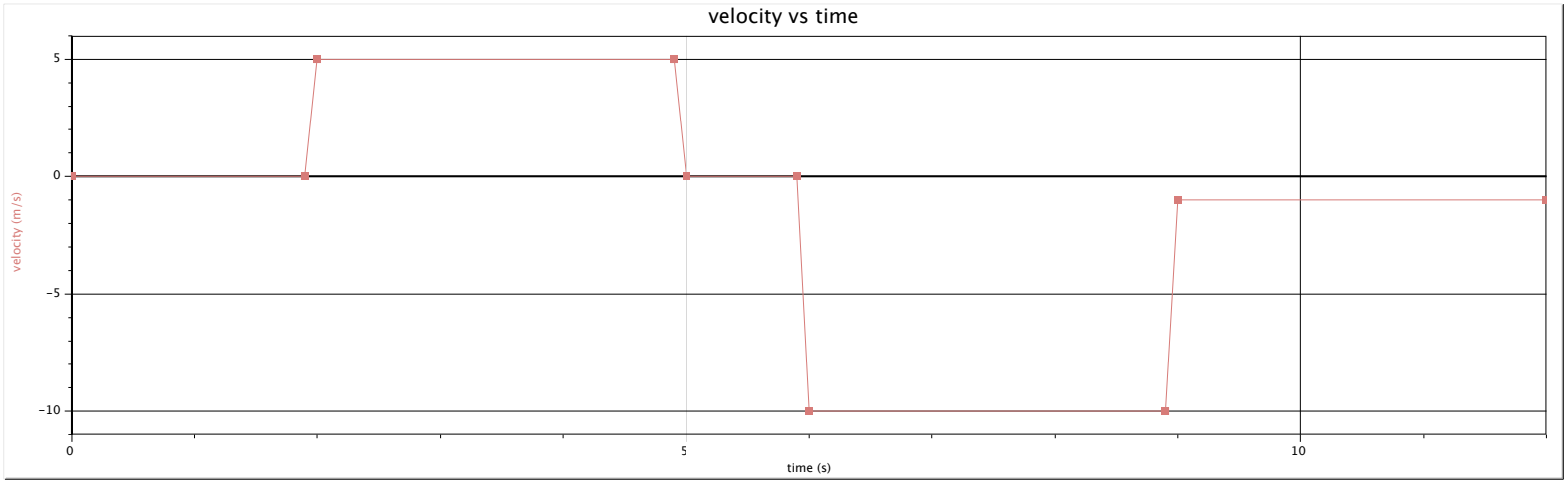
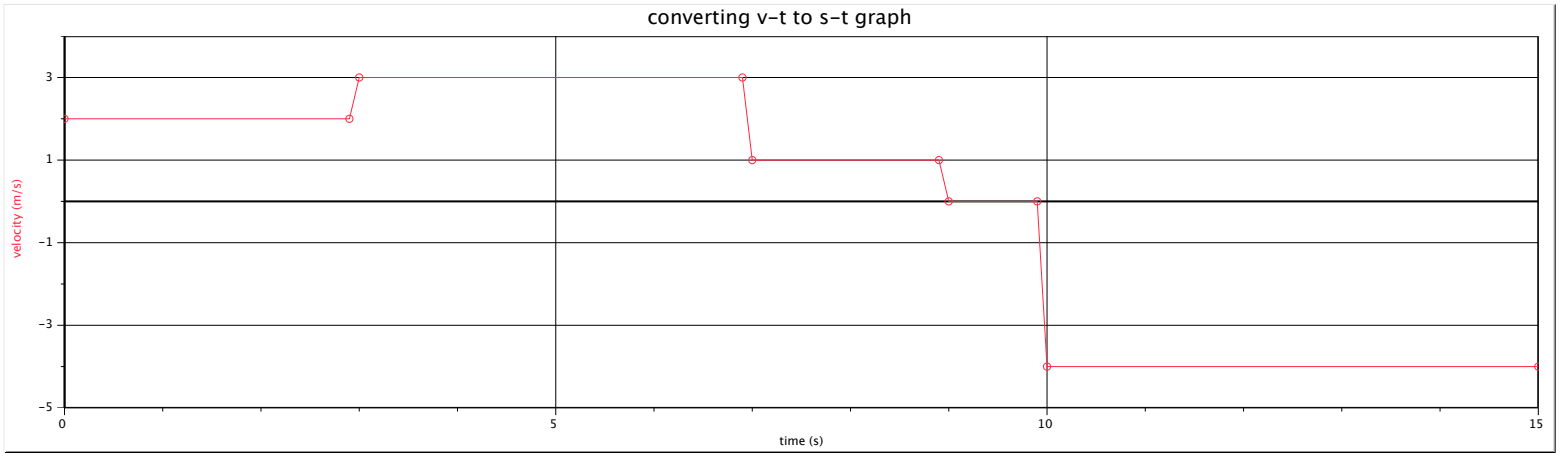
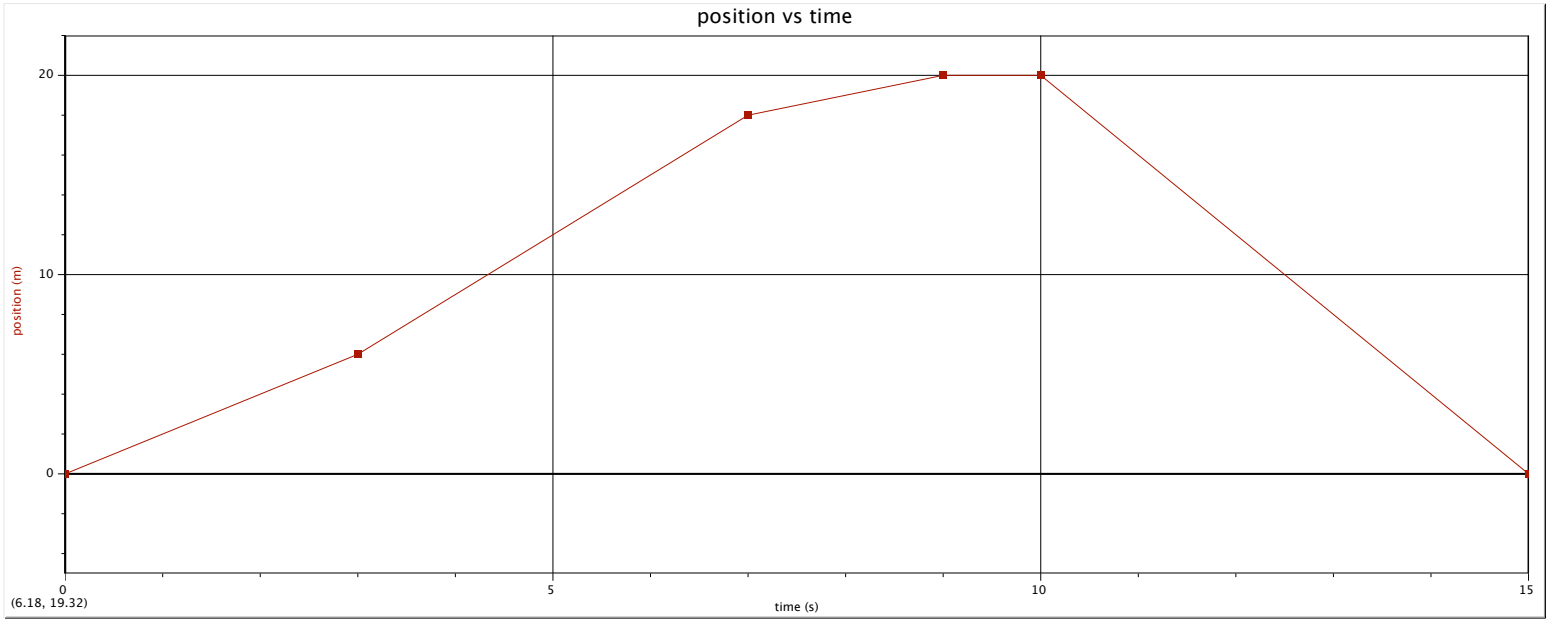
	Data Set		Data Set 2	
	time (s)	position (m)	time (s)	velocity (m/s)
1	0	10	0.0	0
2	2	10	1.9	0
3	5	25	2.0	5
4	6	25	4.9	5
5	9	-5	5.0	0
6	12	-8	5.9	0
7			6.0	-10
8			8.9	-10
9			9.0	-1
10			12.0	-1





	Data Set		Data Set 2	
	time (s)	velocity (m/s)	time (s)	position (m)
1	0.0	2	0.0	0
2	2.9	2	3.0	6
3	3.0	3	7.0	18
4	6.9	3	9.0	20
5	7.0	1	10.0	20
6	8.9	1	15.0	0
7	9.0	0		
8	9.9	0		
9	10.0	−4		
10	15.0	−4