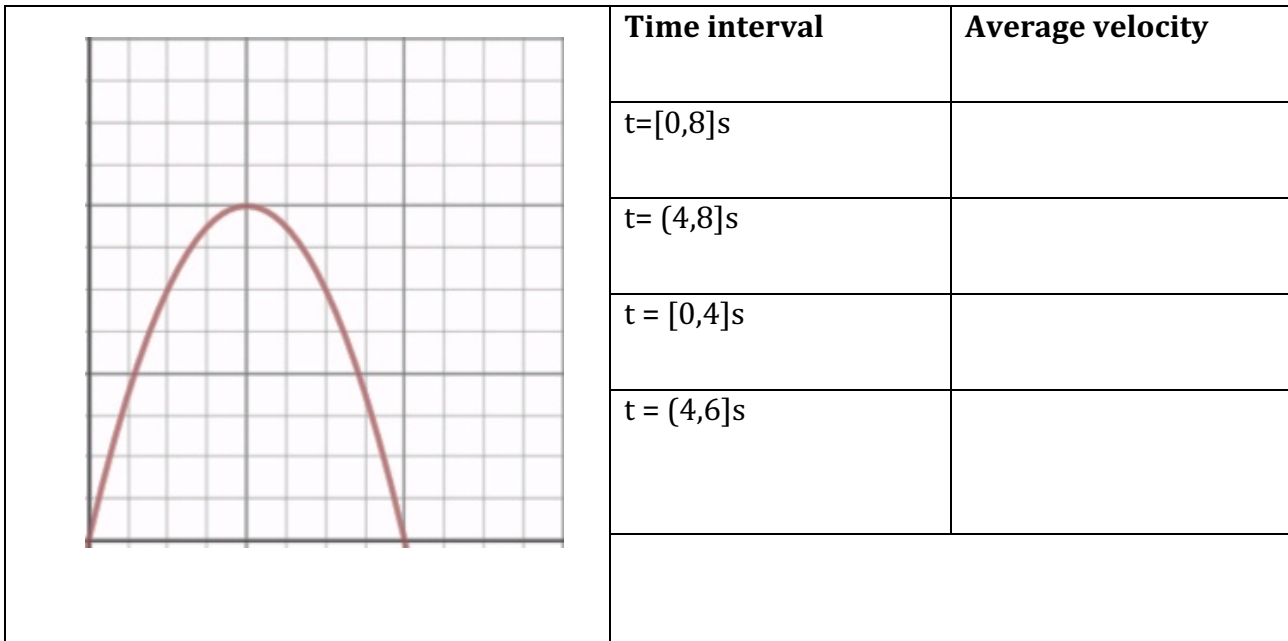


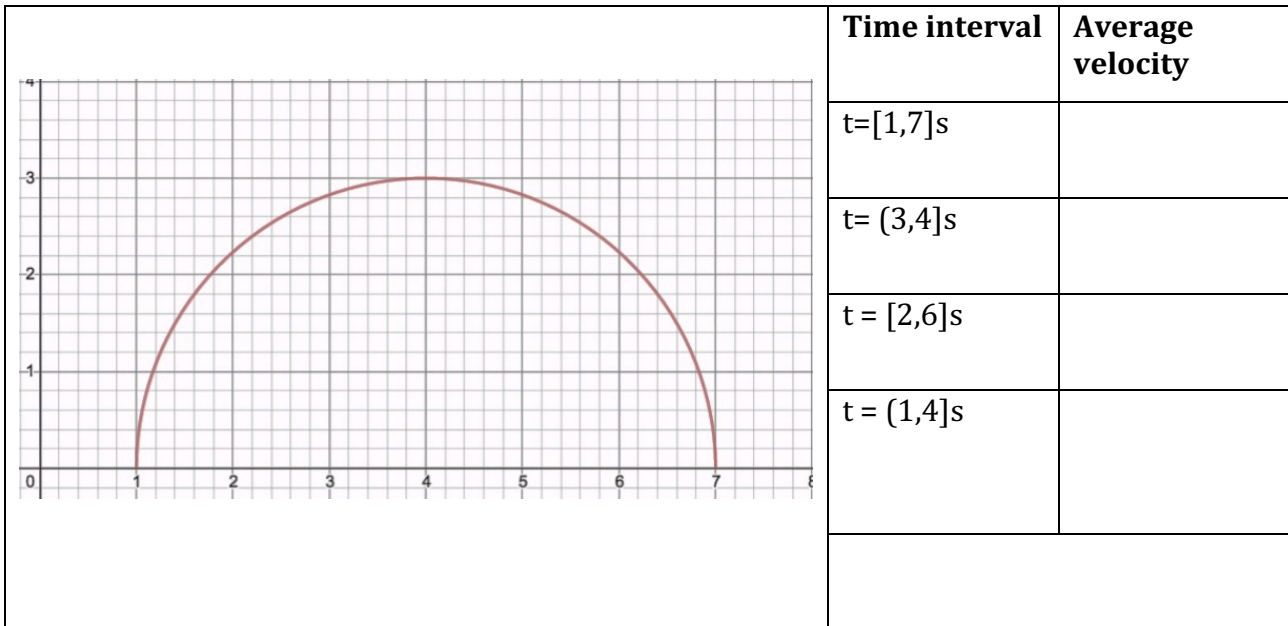
- Assume one to one scale, time measured in seconds, displacement measured in meters, and East a positive direction.

Average Velocity

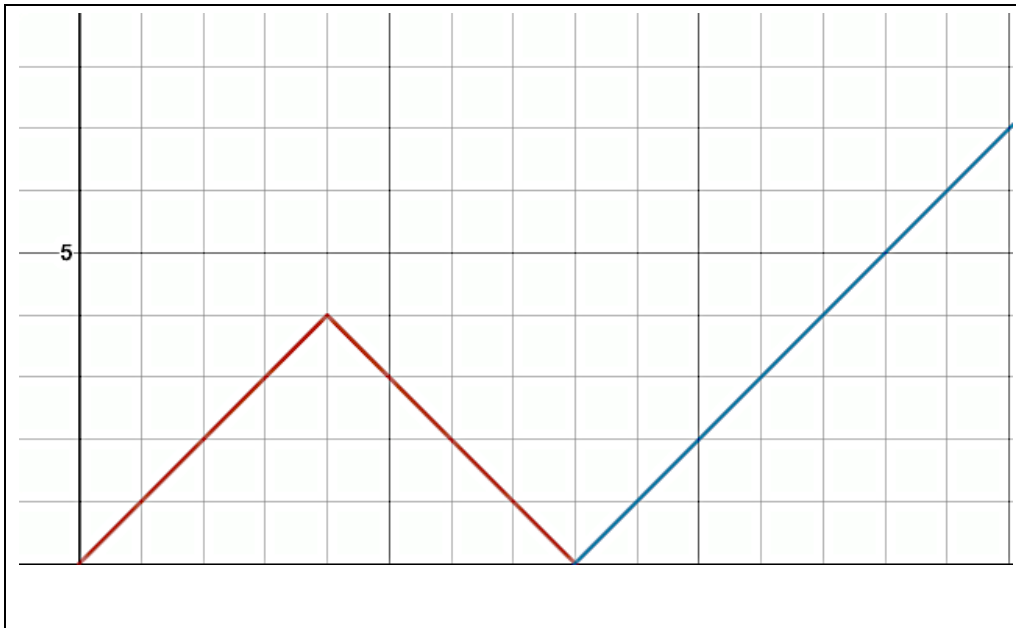
1.



2.

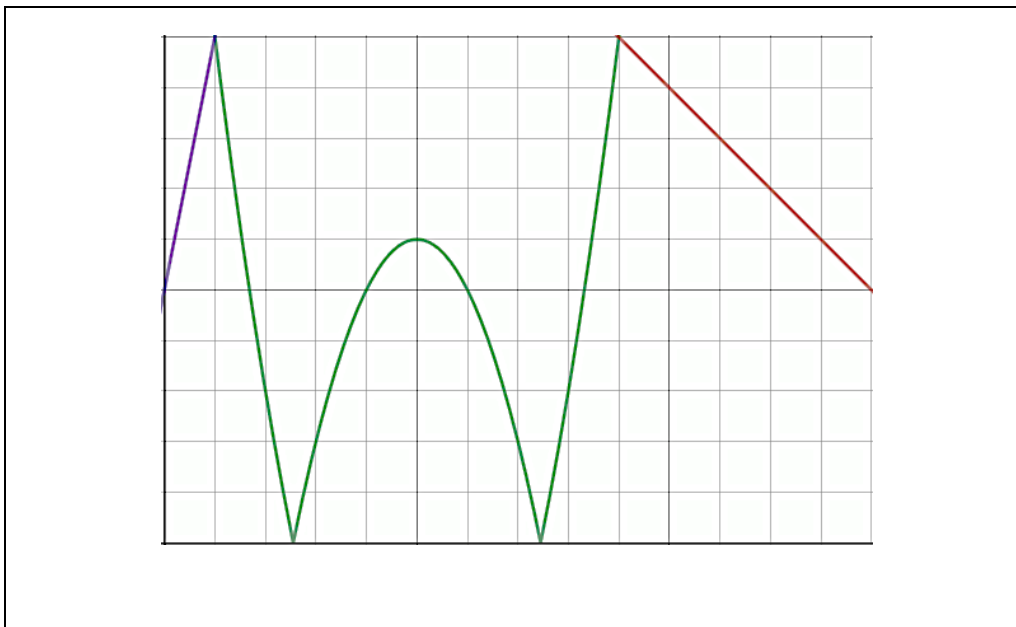


3.



Time interval	Average velocity
$t=[1,7]s$	
$t= (3,4]s$	
$t = [0,15]s$	
$t = (9,13]s$	

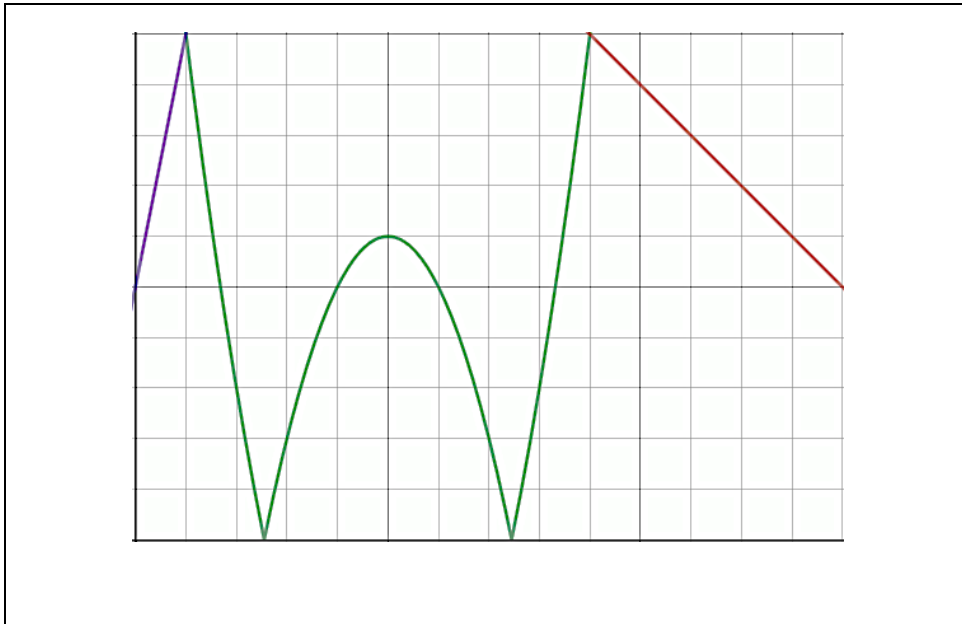
4.



Time interval	Average velocity
$t=[1,2]s$	
$t= (4,6]s$	
$t = [0,14]s$	
$t = (11,13]s$	

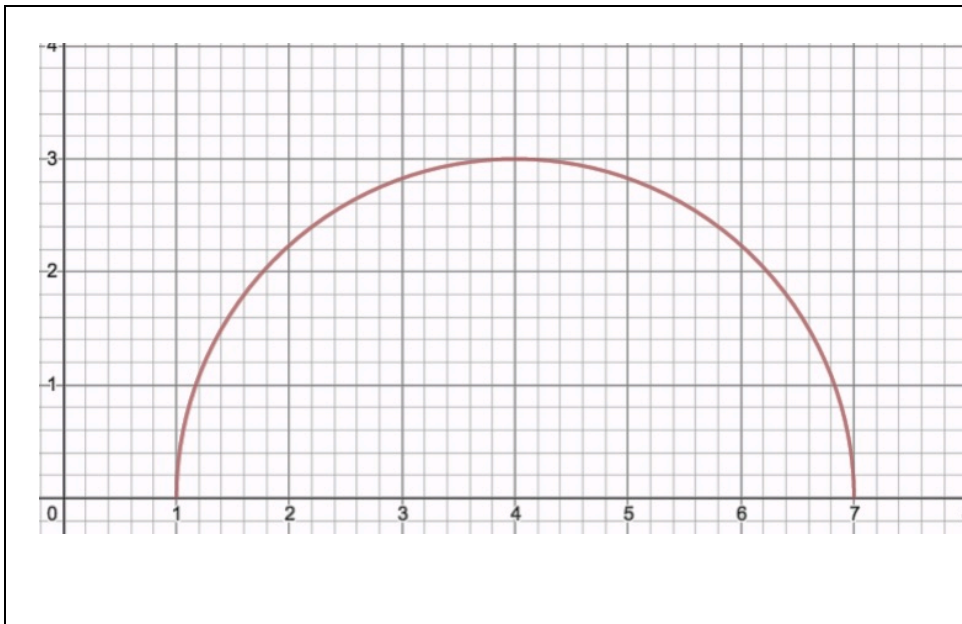
Instantaneous Velocity

1.



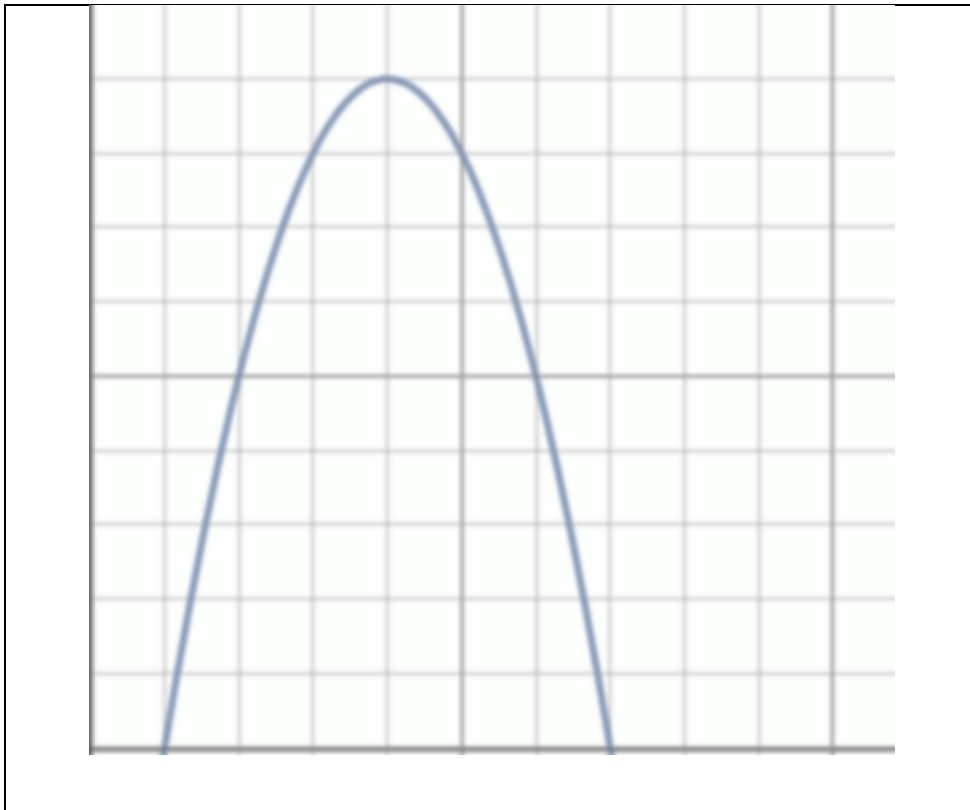
Time interval	Instantaneous velocity
$t = 0.5\text{ s}$	
$t = 5\text{ s}$	
$t = 11\text{ s}$	
$t = 2.5\text{ s}$	

2.



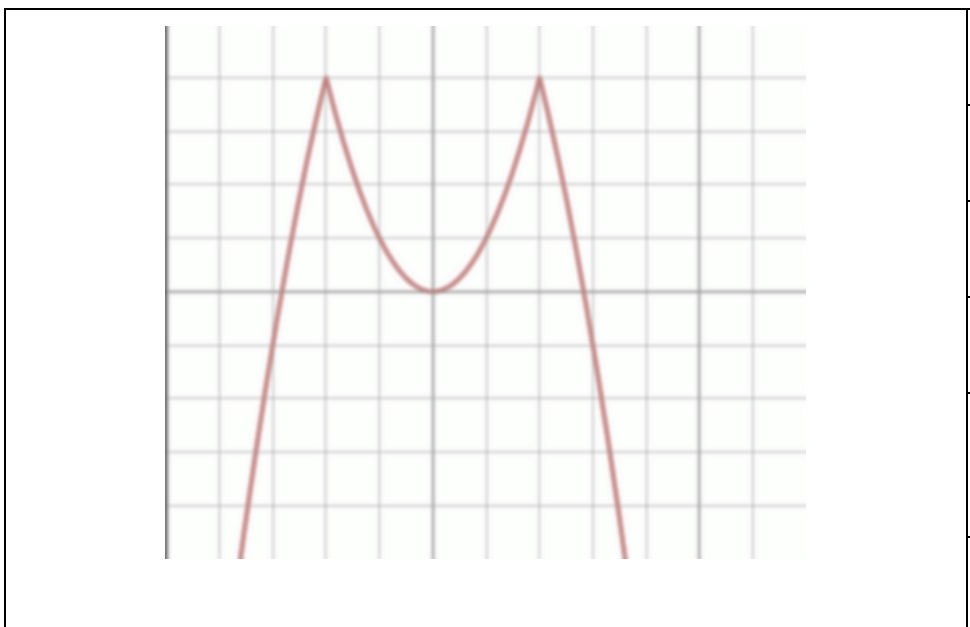
Time interval	Instantaneous velocity
$t = 2.0\text{ s}$	
$t = 4.0\text{ s}$	
$t = 6.0\text{ s}$	
$t = 6.8\text{ s}$	

3.



Time interval	Instantaneous velocity
t = 0 s	
t = 3.0 s	
t = 4.0 s	
t = 6.0 s	

4.



Time interval	Instantaneous velocity
t = 3.0 s	
t = 4.0 s	
t = 5.0 s	
t = 9.0 s	