
Velocity Worksheet

1. Consider the following table that shows the position of a car in feet, t seconds after it starts from rest at a stoplight. Estimate the instantaneous velocity at the given times.

t	0	1	2	3	4	5
$s(t)$	0	20	50	90	140	180
$v(t)$						

Find the average velocity for the following intervals:

- (a) From $t = 0$ to $t = 5$
- (b) From $t = 1$ to $t = 5$
- (c) From $t = 2$ to $t = 4$

2. Consider the following table that shows the height of a skydiving wombat after it has jumped from a plane (position is in feet and time is in seconds). Estimate the instantaneous velocity at the given times.

t	0	2	4	6	8	10
$s(t)$	2000	1936	1744	1424	876	400
$v(t)$						

Find the average velocity for the following intervals:

- (a) From $t = 0$ to $t = 10$
- (b) From $t = 0$ to $t = 6$
- (c) From $t = 2$ to $t = 6$