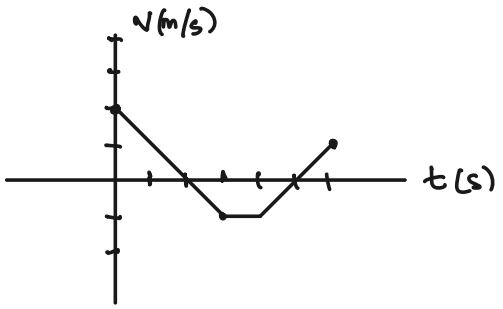
1) The graph of the velocity of Alge-bro on the x-axis is given. Alge-bro starts at x = 4 when t = 0.

a) What is the velocity of Alge-bro at t = 1 s?

b) Find the position of Alge-bro at t = 2 s.

c) Find the position of Alge-bro at t = 6 s.

d) Find the total distance traveled by Alge-bro.



2) The data for the acceleration a(t) of a UPS driver (M. Saba) from 0 to 10 seconds are given in the table. If the velocity at t = 0 is 2 ft/s, approximate the velocity at t = 10 seconds using:

a) Left hand rule with n = 5 rectangles

t(s)	0	2	4	6	8	10
a(t)	3	5	6	8	10	15

b) Trapezoid rule with n = 5 trapezoids