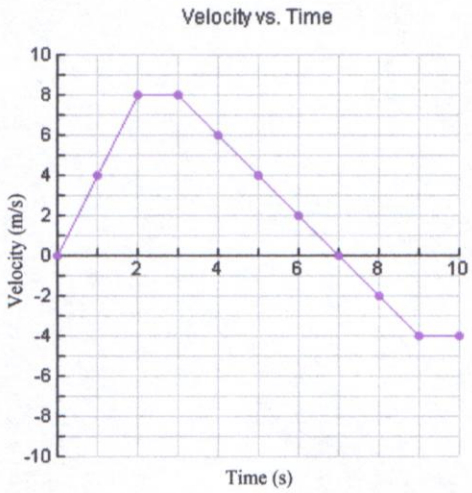
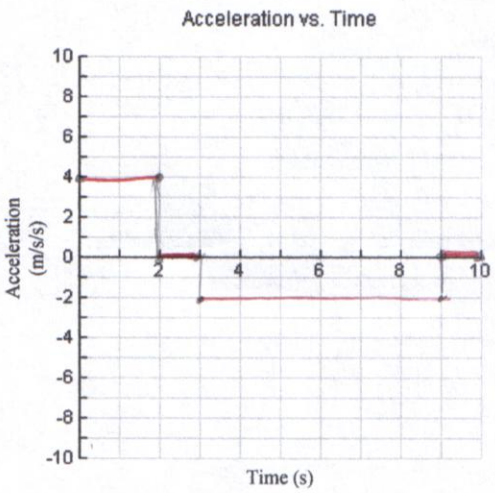
Question F:
Complete the missing Acceleration-Time graph for the situation below. Assume all unknown initial velocity and acceleration values are zero.





Find acceleration from slope of Velocity-Time graph for each section:

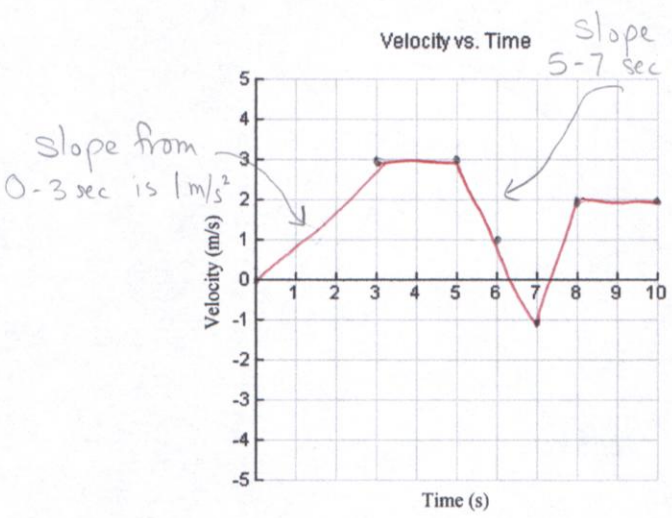
Examples: $a_{0-2} = \frac{\Delta V}{t} = \frac{8\ m/s - 0\ m/s}{2\ sec} = \frac{8\ m/s}{2\ sec}$

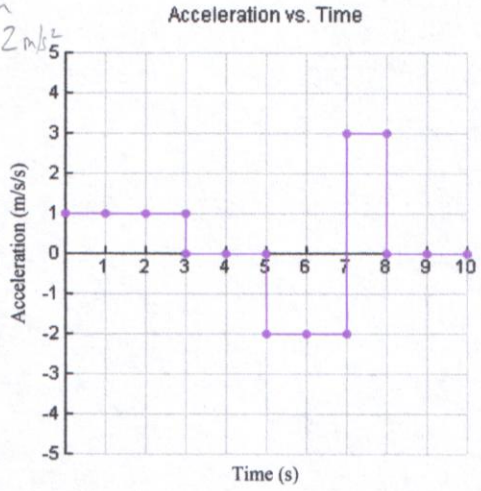
$a_{0-2} = 4\ m/s^2$

$a_{2-3} = \frac{\Delta V}{t} = \frac{0\ m/s}{1\ sec}$

$a_{2-3} = 0\ m/s^2$

Question G:
Complete the missing Velocity-Time graph for the situation below. Assume all unknown initial velocity and acceleration values are zero.





Find velocity from area of Acceleration-Time graph for each section:

Examples: $\Delta V_{0-3} = b \cdot h$

$= (3\ sec)(1\ m/s^2)$

$\Delta V_{0-3} = 3\ m/s$

$\Delta V_{3-5} = b \cdot h$

$= (2\ sec)(0\ m/s^2)$

$\Delta V_{3-5} = 0\ m/s$