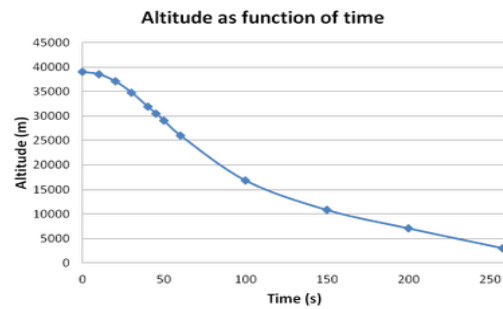
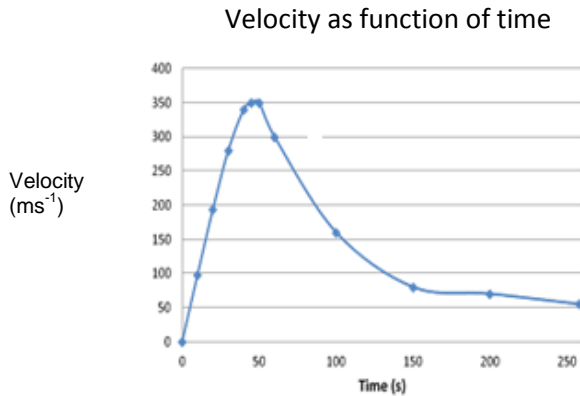


- Make a brief introduction about Felix Baumgartner.
- What did he use to go up in the atmosphere?
- Give all useful information before free fall. (altitude, pressure, .....)

The following graphs are given.



- Baumgartner exceeds mach1. What does this mean?
- The formula  $v_f = v_i + gt$  is correct during the free fall only for a limited time  $t_1$ . Give the value of  $t_1$ .
- Determine the value of  $g$  from the graph.
- Explain why there is a deceleration after the maximum velocity.