9. The accompanying figure shows the velocity versus time graph for a test run on a classic Grand Prix GTP. Using this graph, estimate

   a) the acceleration at 60 mi/h (in units of ft/s^2)
   b) the time at which the maximum acceleration occurs.
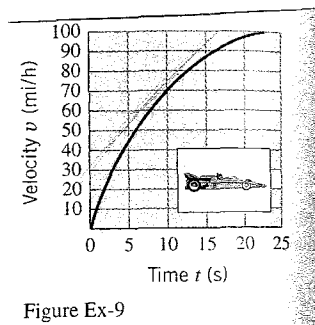
   [Data from Car and Driver magazine, October 1990]

Figure Ex-9

19. The position function of a particle moving along a coordinate line is given. Analyze the motion of the particle for $t \geq 0$, and give a schematic picture of motion.

   $s = t^3 - 9t^2 + 24t$