Homework H.1.A

Given: Pin P moves within slots cut into links A and B. The horizontal position of link A is given by $x = 10 + t^2$, whereas the vertical position of link B is given by $y = 15 - t^3$, where t is given in seconds and x and y are given in mm.

Find: Determine the velocity and acceleration of P at $t = 2$ s.