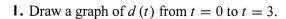
GROUP WORK I, SECTION 3.1

Follow that Car

Here, we continue with the analysis of the distance $d(t) = 8(t^3 - 6t^2 + 12t)$ of a car, where d is in miles and t is in hours.



2. Does the car ever stop?

3. What is the average velocity over [1, 3]? over [1.5, 2.5]? over [1.9, 2.1]?

4. Estimate the instantaneous velocity at t = 2. Give a physical interpretation of your answer.