

6. The graph below shows Glenn's distance from home as he rode his bicycle to school, which is just down his street. His next-door neighbor Pablo, who lives 100 m closer to the school, leaves his house at the same time as Glenn. He walks at a constant velocity, and they both arrive at school at the same time.
- Graph a linear function that represents Pablo's distance from Glenn's home as a function of time.
 - Estimate when the two boys pass each other.
 - Write piecewise-linear functions to represent each boy's distance and use them to verify your answer to part (b).
 - What is the average rate of change for the two boys?

