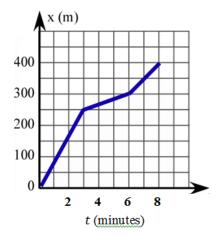
ALGEBRA I

- 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 $100~\mathrm{m}$ 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.
 - a. Graph a linear function that represents Pablo's distance from Glenn's home as a function of time.
 - b. Estimate when the two boys pass each other.
 - c. Write piecewise-linear functions to represent each boy's distance and use them to verify your answer to part (b).
 - d. What is the averagae rate of change for the two boys?



Lesson 16: Date: Graphs Can Solve Equations Too 10/30/14

