



VISITING A COUSIN



Gwen lives in Bend and her cousin Macy lives in Bonanza, 150 miles away. Gwen drives over to visit Macy. She drives to Macy's house at 75 miles per hour and she drives back home at 50 miles per hour.

What is Gwen's average speed for her total trip to Bonanza and back? (to the nearest tenth)

Define the variable(s), write an equation, solve, check your solution, and graph the functions. Show your work.

*Suggestion for graph: Let each horizontal unit represent 10-minute increments but label at every half-hour and hour
and let each vertical unit represent 10-mile increments but label at every 50 miles.*