The Simpson family is at a restaurant and the bill comes to $80.00. Mr. Simpson usually tips the server at least 10% and at most 20% of the bill, whereas Mrs. Simpson usually tips the server at least 15% and at most 25% of the bill.

Given Mr. and Mrs. Simpson's tipping habits, graph the range of dollar amounts (d) that they could leave for a tip that would satisfy both of their tipping habits.