

4. In a new picture below, redraw your budget line from question 3, as well as a set of indifference curves for someone who would decide not to trade any food stamps for cash.

5. Linda loves buying shoes and going out to dance. Her utility function for shoes (S) and the number of times she goes out dancing per month (T) is $u(S, T) = 3ST$, so $MU_S = 3T$, and $MU_T = 3S$. It costs Linda \$100 to buy a new pair of shoes and \$50 to go out dancing. She has \$1000 to spend on clothing and dancing. Solve for Linda's utility-maximizing bundle of S and T.