[İngilizce sorunu yaşarsanız Google Translate kullanmaktan çekinmeyin.]

Quiz Questions

1. I personally enjoy watching cartoons on Netflix, say, Rick and Morty. Let us write r for the time that I spend watching R&M. But I also like spending time with my family, denoted by f. Assume I binge-watch R&M so I start to miss my family. Now I am willing to give up a substantial amount of Netflix time even for a small extra amount of family time. Likewise, if I spend too much time with my family, then I would happily trade long family hours for a single episode of R&M. Which utility function do you think would represent my preferences? Explain in words, and show your explanation on an indifference curve.
2. Suppose that you choose how many books, denoted by $b$, and how many book shelves, denoted by $s$, you would like to buy. Write a utility function $u(b,s)$ that would represent your preferences. Explain why this function would represent your preferences.
3. Suppose that Ali chooses how many green shirts, denoted by $g$, and how many red shirts, denoted by $r$, he would buy. Assuming Ali is color-blind, write down a utility function that would represent his preferences. Draw the indifference curves for his preferences.
4. Suppose that you like pickles and ice-cream separately, but not consuming them together. Draw an indifference curve that would represent your preferences, $u(p,i)$. (Hint: This preference should violate diminishing MRS.)
5. Assume that the preferences of an individual is

$$u\left(x,y\right)=16x^{\frac{1}{2}}+y.$$

If the individual has 0 units of $y$ and 16 units of $x$, how many units of $x$ she would forgo in exchange for an extra unit of $y$. (Hint: Calculating marginal utilities would help. But there are also other ways.)