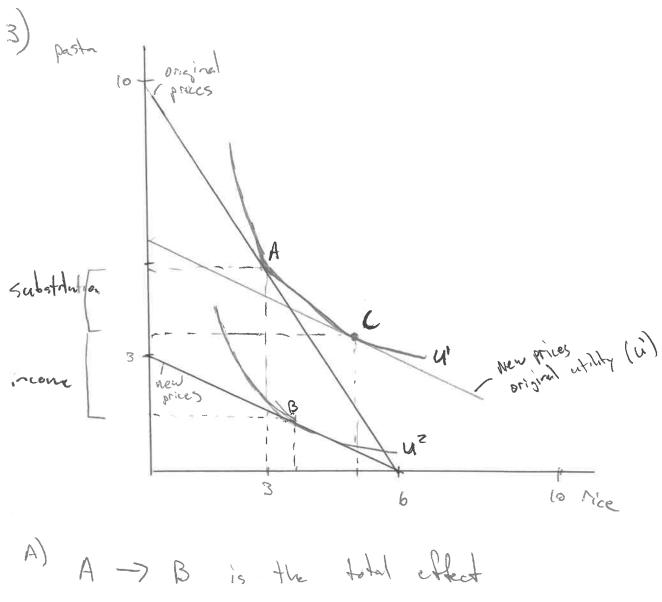
Howevork Z

- The optimal consumption bundl is the bundl on the indifference care with the largest at lity level that the person an afford. This is where the budget constraint and indifference curve are tangent to each other. We can also think about the bung for our buck that are get from consumption, such that Mux Muy.

 This means the extra at lity per the formal productions are for both goods. If it was different them we could get more happness by changing our
 - The substitution effect has to do with the change in consumption from the prices changing, but utility level being held constant. is we are changing the budget constraint, but staying on the same indifference curve. The income (parchasing) paner) effect has utility levels change (different budget) but the same prices.

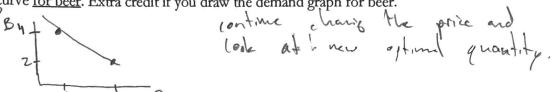


B) The size of the changes in quantity dictates which effect is larger.

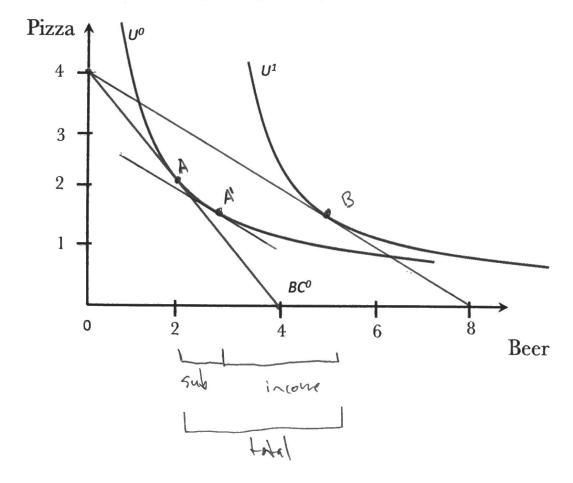
- 4) Consider the indifference curves and budget constraint for consuming beer and pizza on the graph provided. Initially, the consumer income is \$16 and a slice of pizza is \$4 and a pint of beer is \$4.
- A. Given budget constraint BC⁰ show on the graph provided the optimal consumption decision of beer and pizza and in the space below explain the rationale why this is the optimal decision.

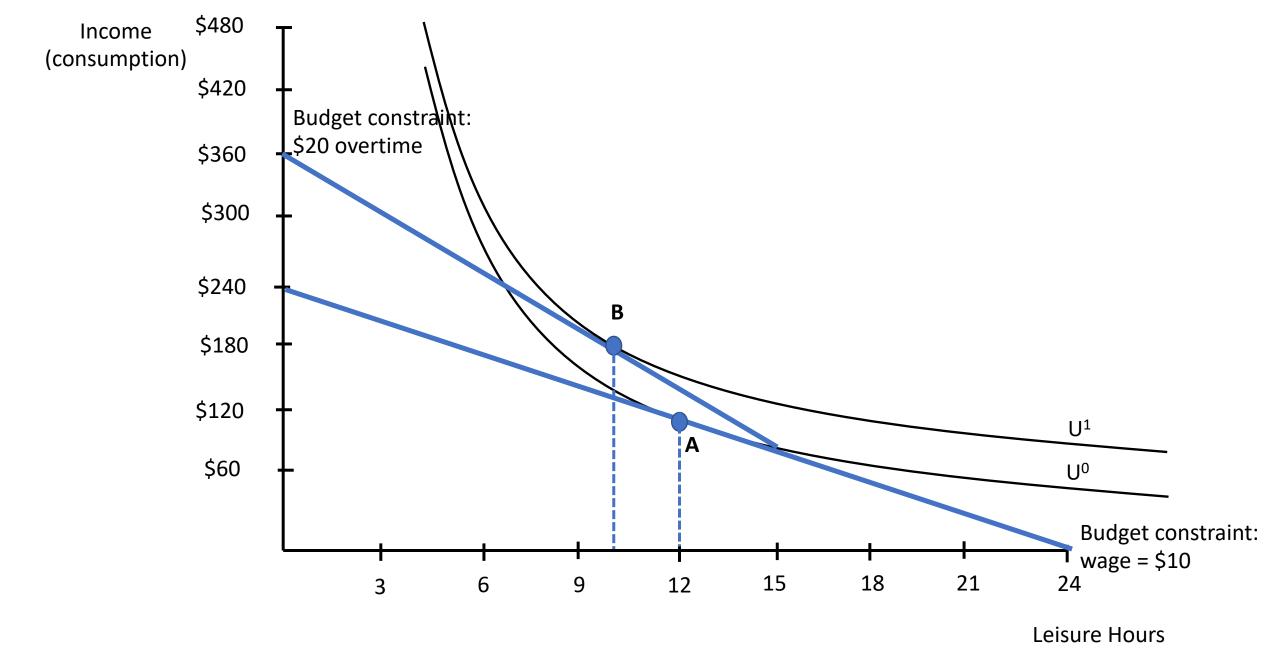
Mulp Mus The bang for your buck in concurring each Pr - Ps would be eith vonalled or lover whility

B. Suppose that the price of beer falls to \$2. On the graph draw the new budget line and find the new optimal bundle of beer and pizza. In the space below, explain how you would trace out the demand curve for beer. Extra credit if you draw the demand graph for beer.



- C. Determine the income and substitution effect for the price change in part B (the price of beer falling by \$2). Show each effect on the graph provided.
- D. Is beer a normal or inferior good? Explain how you know.





Based on my preferences, I'd end up working more hours, due to the higher pay