## Utility Functions Plots

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Figure 1: Substitute Goods

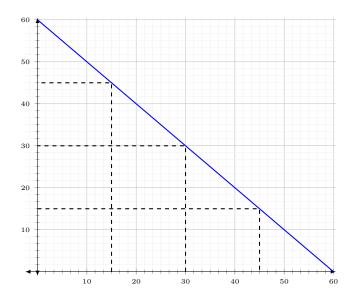


Figure 2: Diminishing Marginal Utility

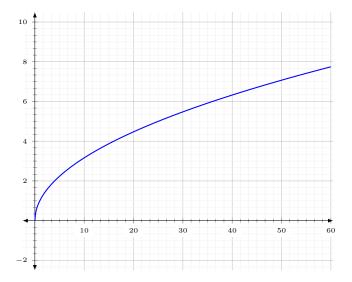


Figure 3: Indifference Curve

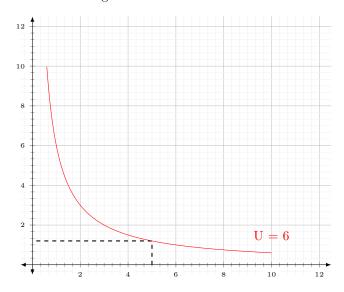


Figure 4: Indifference Curve for Utility of 5 vs Utility of 3  $\,$ 

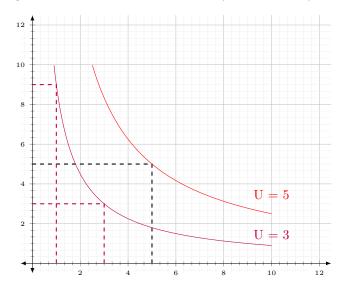


Figure 5: Budget Line

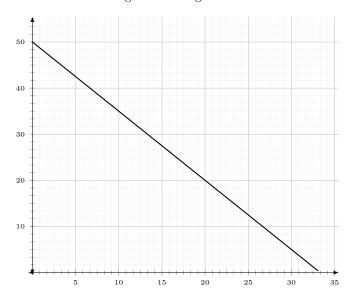


Figure 6: Optimal Bundle

