

Chapter 1.6: Power Functions

Calculus I

College of the Atlantic. September 23, 2024

For each graph, match the plots with the functions. Try these without using graphing technology.

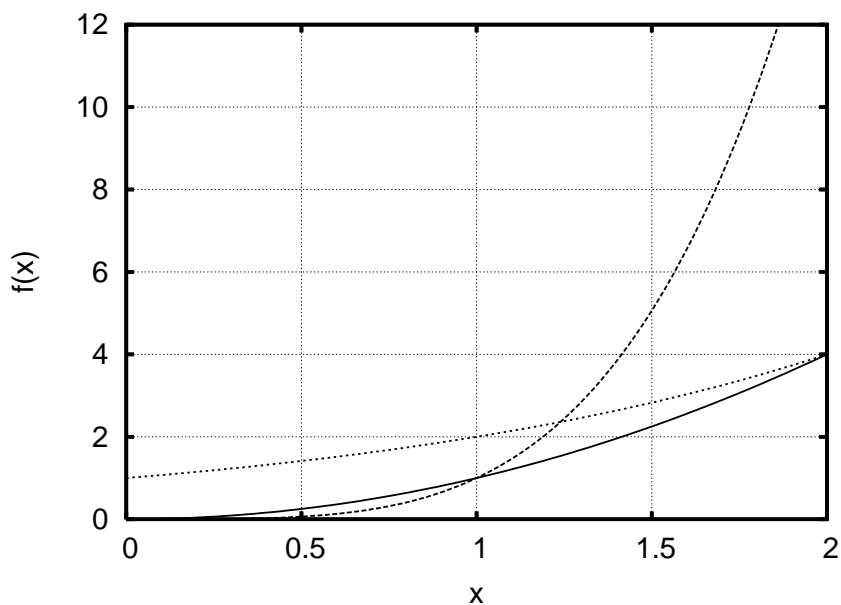


Figure 1: Plots of x^2 , x^4 , and 2^x

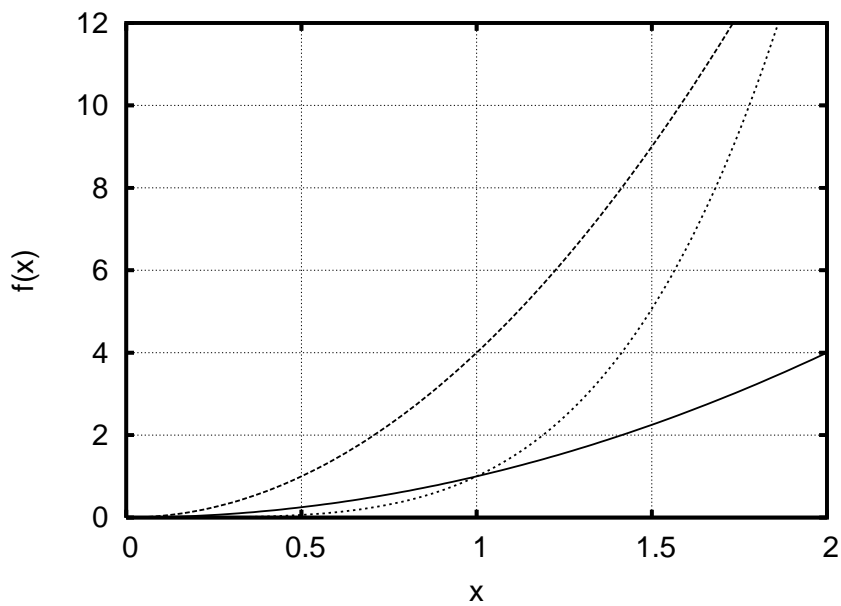


Figure 2: Plots of x^2 , $4x^2$, and x^4

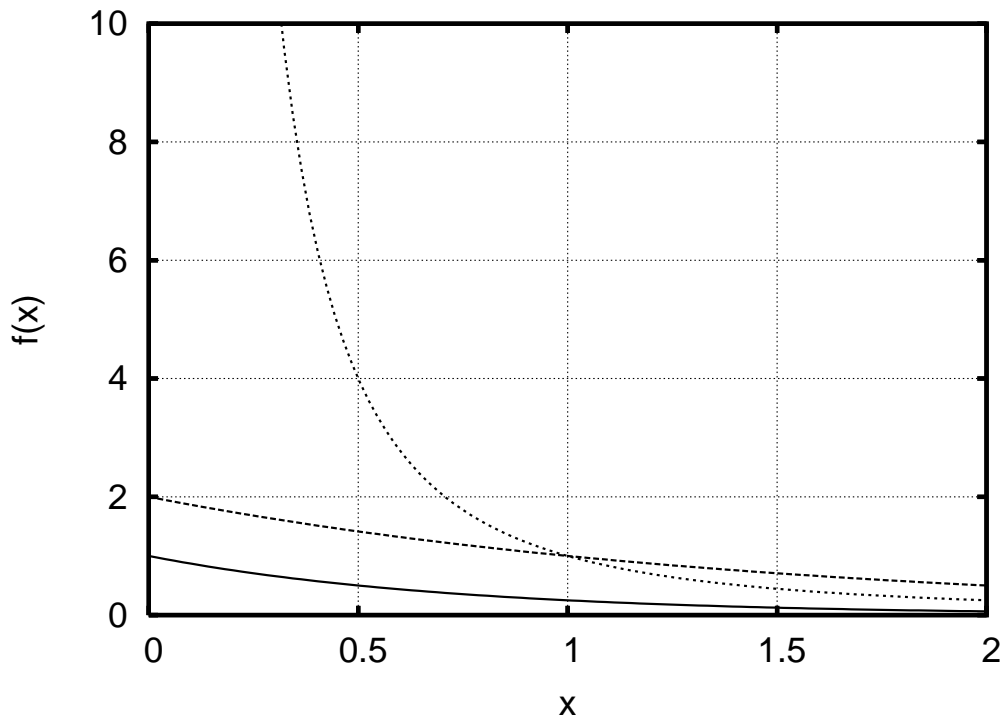


Figure 3: Plots of 2^{-2x} , $2(2^{-x})$, and x^{-2}

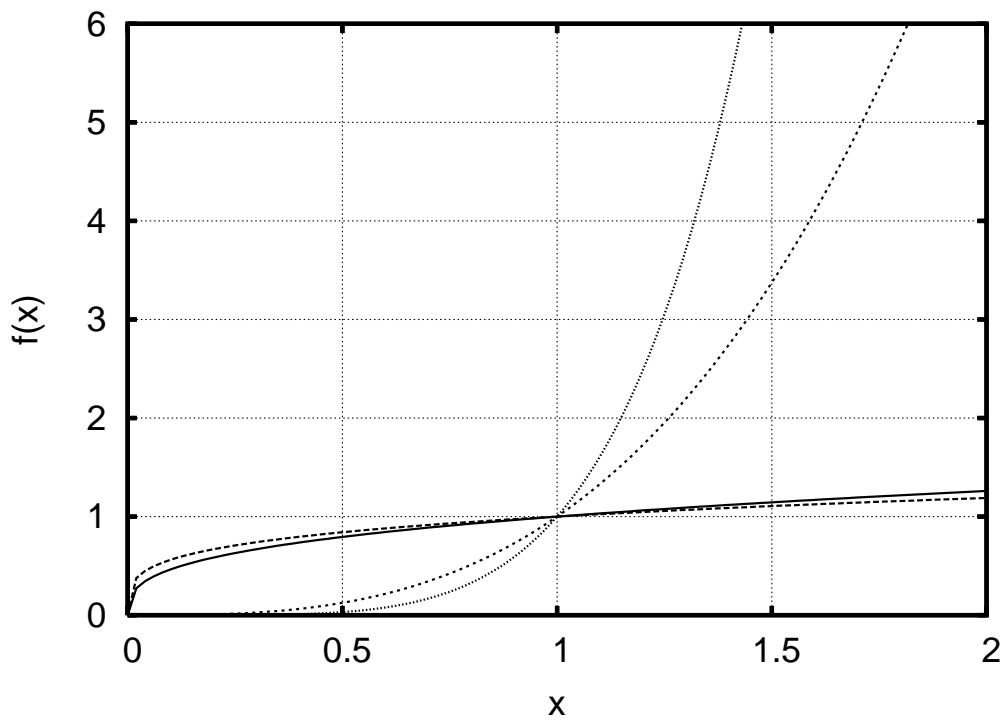


Figure 4: Plots of $x^{1/3}$, $x^{1/4}$, and x^3 , x^5 .