

Power Functions

For each graph, match the plots with the functions.

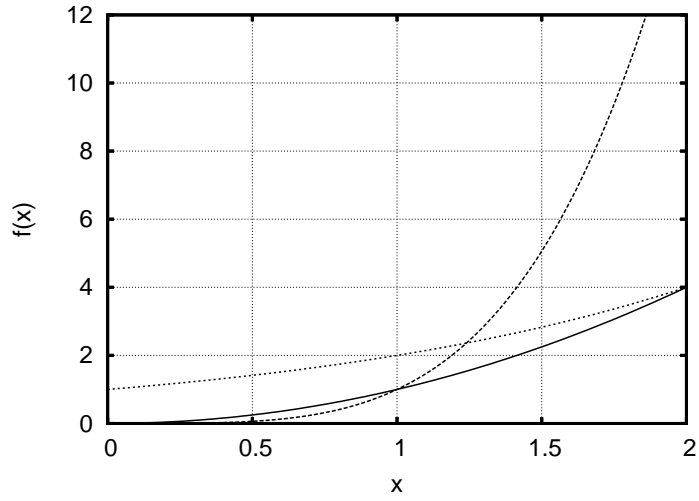


Figure 1: Plots of x^2 , x^4 , and 2^x

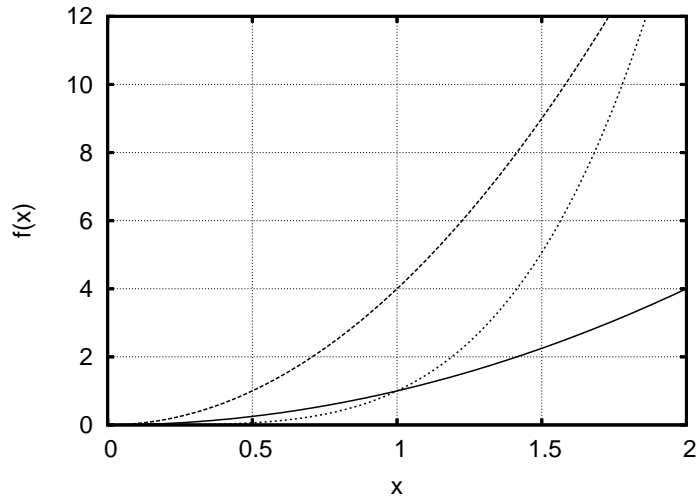


Figure 2: Plots of x^2 , $4x^2$, and x^4

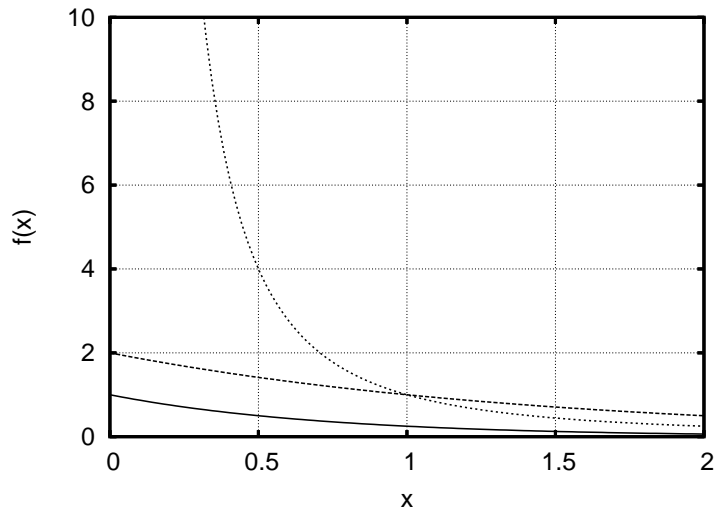


Figure 3: Plots of 2^{-2x} , $2 * 2^{-x}$, and x^{-2}

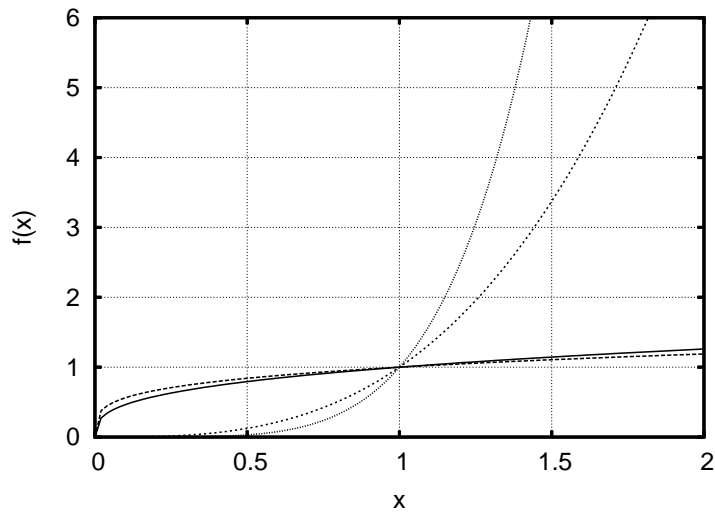


Figure 4: Plots of $x^{1/3}$, $x^{1/4}$, and x^3 , x^5 .

Back to working on the **Field Guide of Mathematical Functions**.

1. What are the basic morphs of power functions?
2. How can you distinguish power functions from exponential functions?