

0.1 Simple TikZ and PGFplots Examples

This section demonstrates some simple TikZ and PGFplots examples, feel free to reference this code during the challenges at the end of this workshop :)

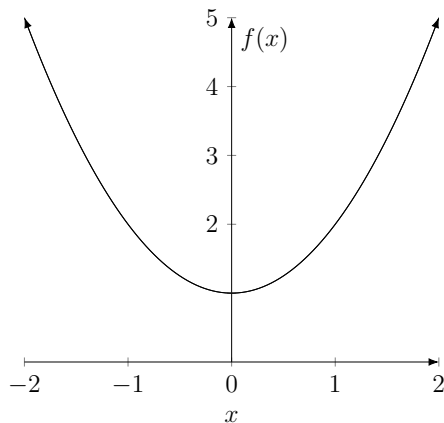


Figure 1: Plot of $f(x) = x^2 + 1$

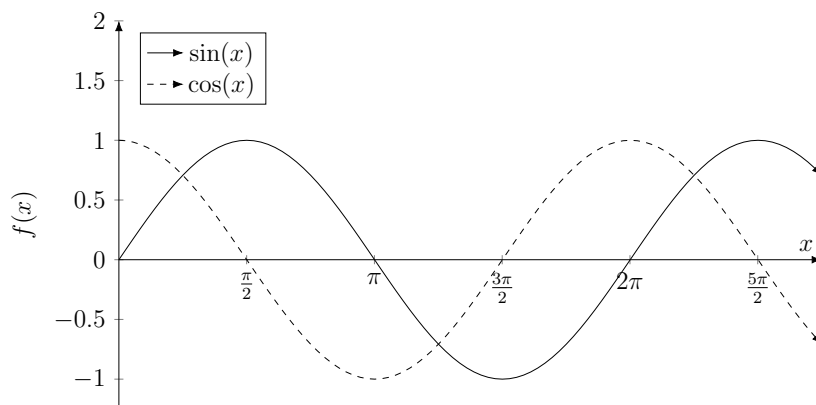


Figure 2: Sine and Cosine Functions

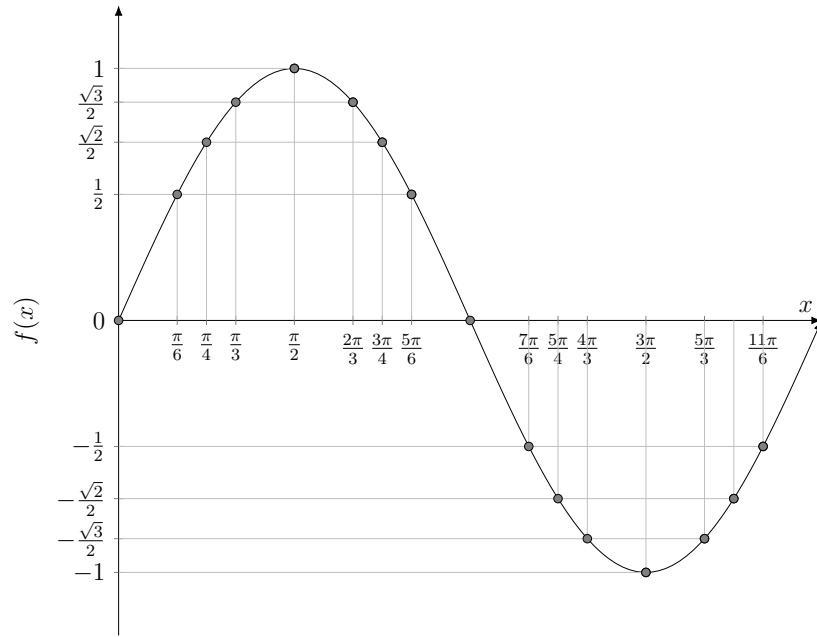


Figure 3: Sine Common Values

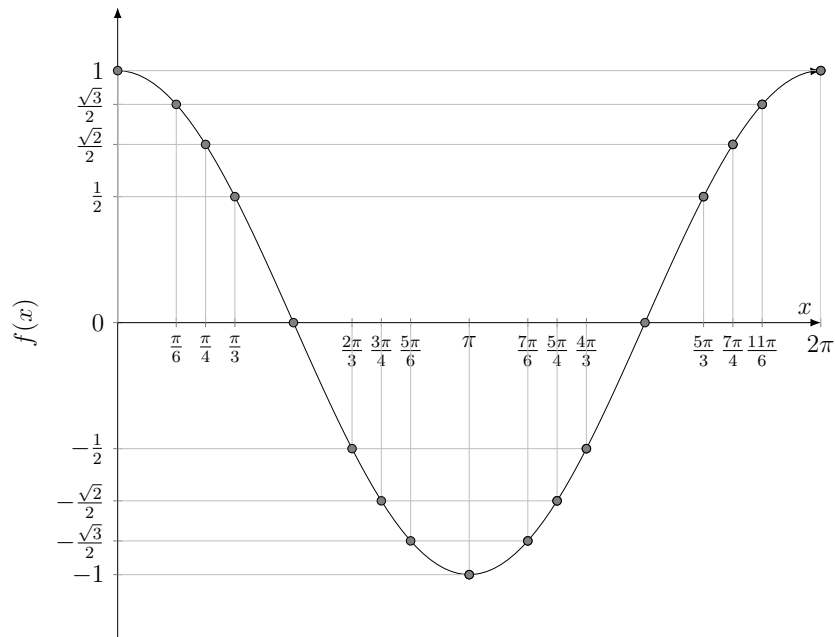


Figure 4: Cosine Common Values

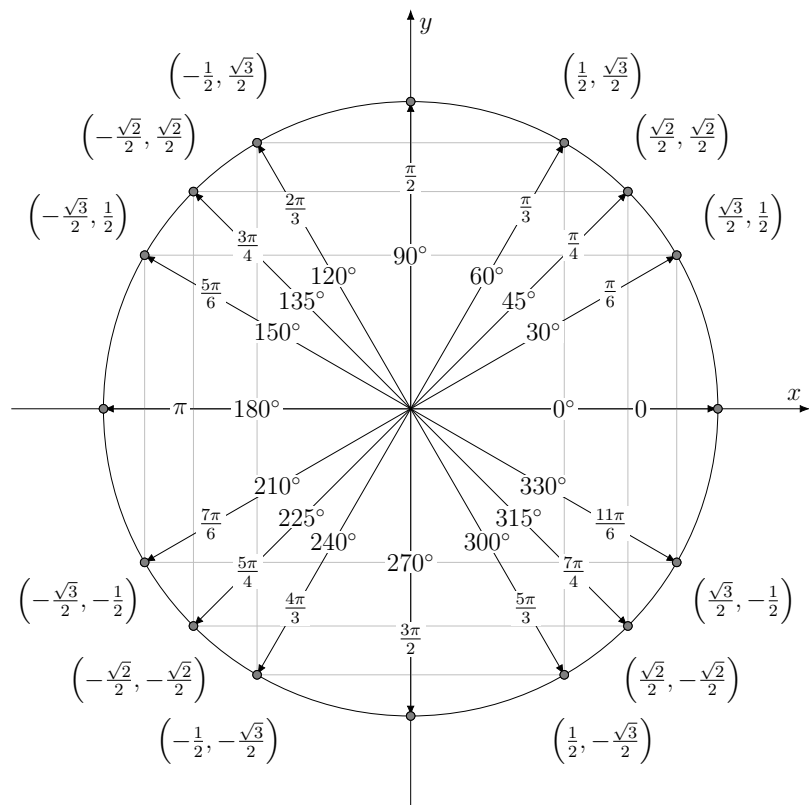


Figure 5: The Unit Circle

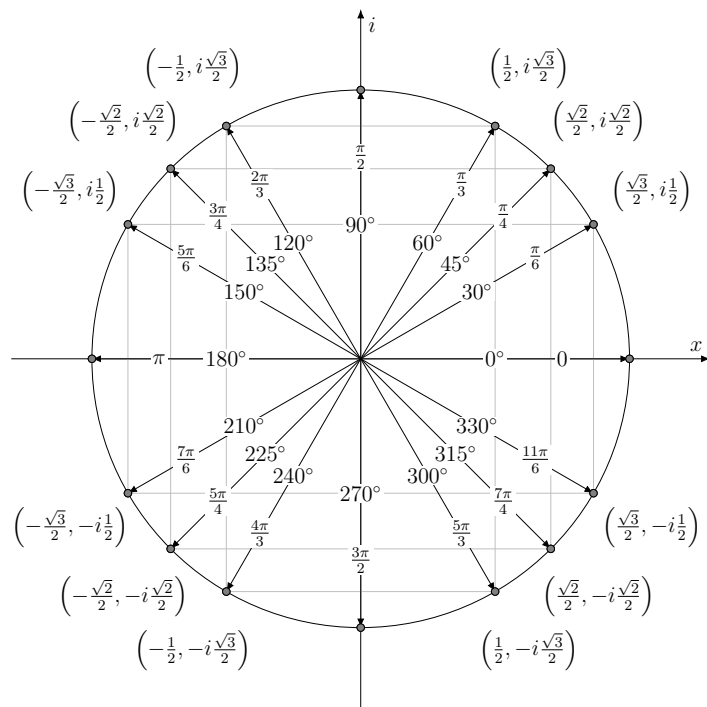


Figure 6: The Complex Unit Circle

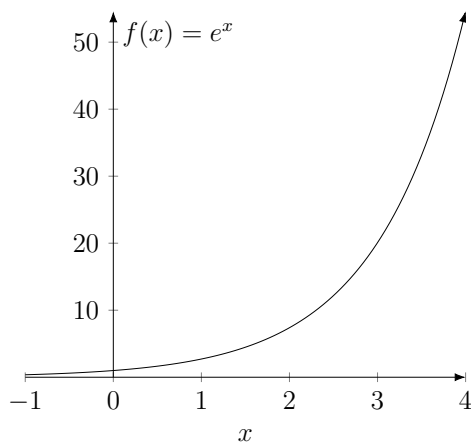


Figure 7: Exponential Growth

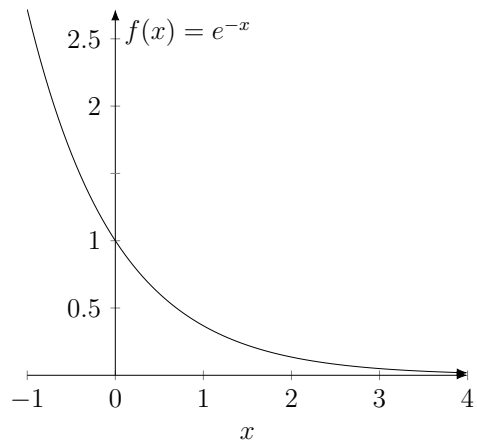


Figure 8: Exponential Decay

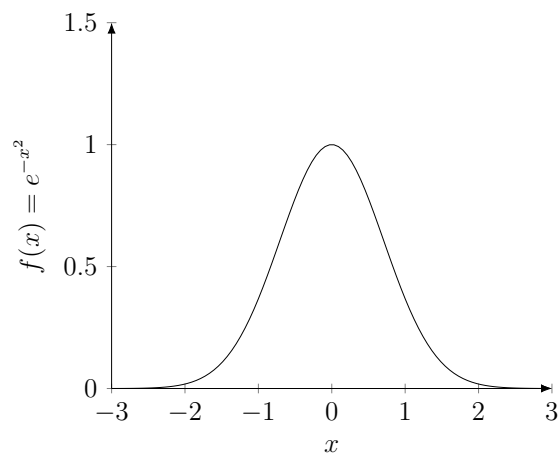


Figure 9: Pure Gaussian Function

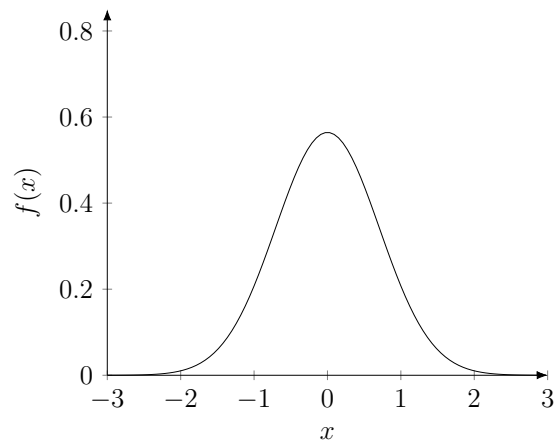


Figure 10: Normalized Gaussian Function