

Review

Example

1. Suppose I am rolling a loaded die where 1 appears twice as often as the other faces, and all other faces appear equally likely. What is the mean value that I'll roll?

Problems

2. Graph the functions $1/x^n$ for n even and odd, e^x , e^{-x} , $\ln(x)$, x , x^n for an even number and for an odd number greater than 1, $\arctan(x)$, $\sin(x)$, $\cos(x)$, and e^{-x^2} .