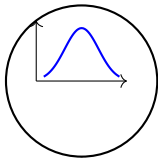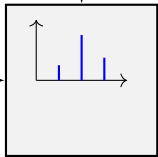$\theta \sim \text{Beta}(1,1)$

n

$\text{Right} \sim \text{Binomial}(\theta, n)$