Eq (2.1) =>
$$0 \le P(Y=y) \le 1$$

Eq (2.2) => $\sum P(y) = 1$
 $P(y) = \Gamma$.
Since there are 6 faces of
Can Sum to $n=6$, each 0

Since there are 6 faces of a die, we can sum to n=6, each three being equally

Can Sum to
$$n=6$$
, each probable for a fair die.

$$\frac{6}{2}P(y_i) = \sum_{i=1}^{6} r = 6r.$$
Since this is every possibility $6r=1$.

.'. V= 1

Therefore, the probability of rolling any number on a die is 6