2. Prove that Ψ is a random measure if and only if $\Psi(B)$ is a random variable for every $B \in \mathcal{B}$.

$$P(B) = P(B) \qquad P(B) \qquad$$

B fixed $P(B) = IIB \circ P$ --- Composition of measurable maps \(\see \frac{3.1.}{2} \)

$$(\Omega, L, P) \rightarrow (W, m)$$

"
$$= \frac{1}{2} (\Omega, \Lambda, \Gamma) \rightarrow (M, M) = \frac{1}{2} (M, M) = \frac{1}{$$

$$\int_{\mathcal{I}} \left(\Delta(m) \right) (\mathcal{L}) = \left(\Delta(\mathcal{L}) \right) (m)$$