

What I call the Probability Postulate (# 4 on McIntyre's list):

The probability of obtaining the value a_n in a measurement of the observable A on the system in the state $|\psi\rangle$ is:

$$\mathcal{P}_{a_n} = |\langle a_n | \psi \rangle|^2$$

where $|a_n\rangle$ is the eigenstate of A corresponding to the value a_n ."