100) Range:
$$\phi \rightarrow 0$$
 to 2π

$$\int P[\phi]d\phi = \int \frac{d\phi}{2\pi} = 1$$

Resord:

$$\int P[\phi]d\phi = \int \frac{d\phi}{2\pi} = 1$$

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Proved:

(b) Dintribution: $P[\phi]d\phi = q[\phi]d\phi =$