

Unit Vector	Dot Product
$\hat{i} \cdot \hat{i}$	1
$\hat{i} \cdot \hat{j}$	0
$\hat{i} \cdot \hat{k}$	0
$\hat{j} \cdot \hat{i}$	0
$\hat{j} \cdot \hat{j}$	1
$\hat{j} \cdot \hat{k}$	0
$\hat{k} \cdot \hat{i}$	0
$\hat{k} \cdot \hat{j}$	0
$\hat{k} \cdot \hat{k}$	1