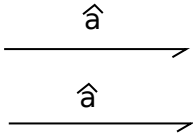
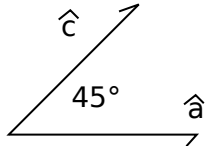


$$\hat{a} \cdot \hat{b} = 0$$



$$\hat{a} \cdot \hat{a} = 1$$



$$\hat{a} \cdot \hat{c} = 1/\sqrt{2}$$