In quantum mechanics, operators may or may not commute. If the operators commute, then the order doesn't matter, and $AB|\Psi\rangle = BA|\Psi\rangle$. If they do not commute, then the order matters, and $AB|\Psi\rangle \neq BA|\Psi\rangle$

(1) Working graphically, determine whether R_{30} and T_{45} commute.

