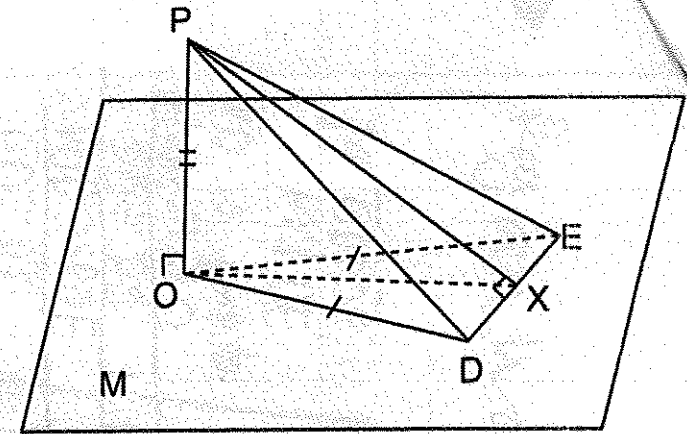
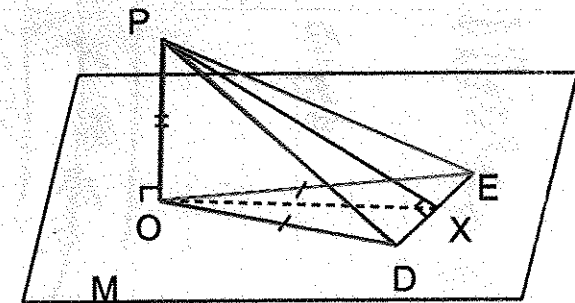


$\overline{OD} \cong \overline{OE}; \overline{PX} \perp \overline{DE}$ \overline{PO} is perpendicular to plane M at O	Given
$\overline{PO} \cong \overline{PO}$	Reflexive
$\angle POD$ and $\angle POE$ are right angles	Definition of perpendicular lines
$\angle POD \cong \angle POE$	Right angles congruence theorem
$\triangle POD \cong \triangle POE$	SAS
$\overline{PD} \cong \overline{PE}$	CPCTC
$\overline{PX} \cong \overline{PX}$	Reflexive
$\triangle PXD$ and $\triangle PXE$ are right angles	Definition of perpendicular lines
$\triangle PXD \cong \triangle PXE$	HL congruence theorem
$\overline{DX} \cong \overline{XE}$	CPCTC



Step 5



Step 9

