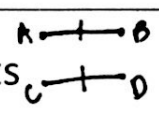
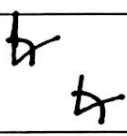

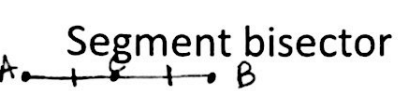

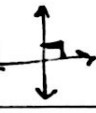


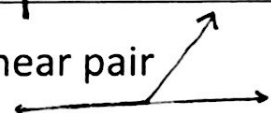
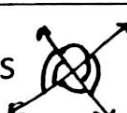




I say (or see) ...	You say...	By...
\cong segments 	= lengths	Def. of \cong segments
\cong angles 	= measures	Def of \cong angles
Midpoint 	2 \cong segments	Def of midpoint
Segment bisector 	Midpoint	Def of segment bisector
Angle bisector 	2 \cong angles	Def. of angle bisector
Perpendicular 	Right angle(s)	Def of perpendicular
Supplementary angles 180° 	sum of measures = 180°	Def of supp. \angle 's
Complementary angles 90° 	sum of measures = 90°	Def of comp. \angle 's
Linear pair 	Angles are supplementary	Linear pairs are supp.
Vertical angles 	Angles are congruent	Vertical angles are congruent
Right angle	Measure = 90°	Def of right \angle 's
2 right angles	Angles are \cong	All right \angle 's are \cong
Shared angle 	The angle is \cong to itself	reflexive prop.
Shared side 	The side is \cong to itself	reflexive prop.
$\angle A \cong \angle B$ and $\angle B \cong \angle C$	$\angle A \cong \angle C$	transitive prop.

of \cong

$\angle A$ and $\angle B$ are supplementary

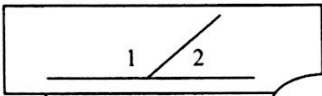
Def. of SUPP. \angle 's

$$\angle A + \angle B = 180^\circ$$

$\angle A$ and $\angle B$ are complementary

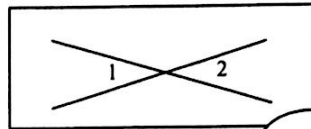
Def. of COMP.

$$\angle A + \angle B = 90$$



Def. of linear pair

$$\angle 1 + \angle 2 = 180^\circ$$



Def. of vertical \angle 's

$$\angle 1 \cong \angle 2$$

$\angle A$ is right

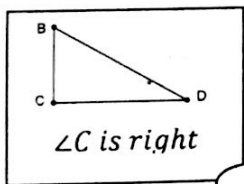
Def. of right \angle

$$\angle A = 90^\circ$$

$\angle C$ and $\angle D$ are right angles.

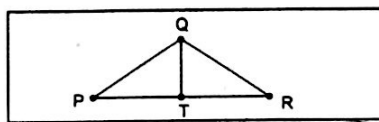
All right \angle 's are congruent

$$\angle C \cong \angle D$$



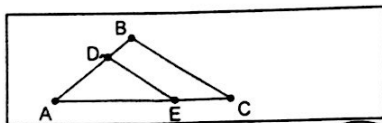
Def. of right Δ

ΔBCD is right



reflexive prop.

$$\overline{QT} \cong \overline{QT}$$



reflexive prop.

$$\angle DAE \cong \angle DAE$$

$\angle 1 \cong \angle 2$ and $\angle 2 \cong \angle 3$

Transitive prop.

$$\angle 1 \cong \angle 3$$

$$\overline{AC} \cong \overline{TR}$$

Def. of \cong segments

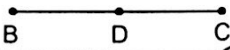
\overline{AC} & \overline{TR} have equal lengths

$$\angle 1 \cong \angle 2$$

Def. of \cong angles

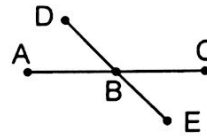
$\angle 1$ & $\angle 2$ have \cong measures

D is the midpoint of \overline{BC}



Def. of midpoint

$$\overline{BD} \cong \overline{DC}$$

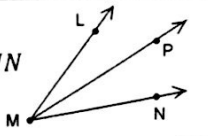


\overline{DE} bisects \overline{AC}

Def. of bisects

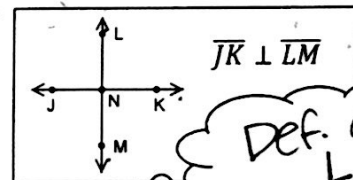
$$\overline{AB} \cong \overline{BC}$$

\overline{MP} bisects $\angle LMN$



Def. of \angle bisector

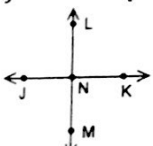
$$\angle LMP \cong \angle PMN$$



Def. of \perp

$\angle LNJ$, $\angle LNK$, $\angle JNM$, & $\angle MNK$ are all right

\overline{JK} is the perpendicular bisector of \overline{LM}



Def of \perp bisector

$$\overline{LN} \cong \overline{NM} \text{ OR } \angle LNK \cong \angle KNM (90^\circ)$$