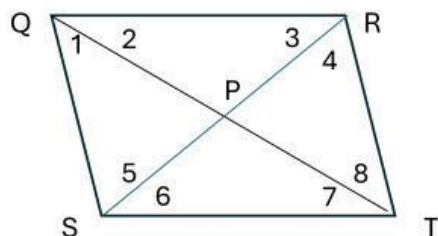


ACTIVITY CARD 3

Directions: Refer to the figure at the Right. Does the given set of information guarantee that quadrilateral QRTS is a parallelogram? Write YES or NO before each number.



_____ 1.) $\overline{QS} = 6cm, \overline{RT} = 6cm, \overline{ST} = 10cm, \overline{QR} = 10cm,$

_____ 2.) $\overline{QP} = 5cm, \overline{PT} = 5cm, \overline{SP} = 4cm, \overline{PR} = 4cm$

_____ 3.) $\angle SQR = 70^\circ, \angle QRT = 110^\circ, \angle RTS = 70^\circ, \text{ and } \angle QST = 110^\circ.$

_____ 4.) $\overline{QT} \cong \overline{RS}$

_____ 5.) $\angle Q, \angle S, \angle R$ and $\angle T$ are right angles.

_____ 6.) $\overline{QR} \cong \overline{RT} \cong \overline{ST} \cong \overline{QS}$

_____ 7.) $\overline{QR} \parallel \overline{ST}, \overline{QR} = 7cm \text{ and } \overline{ST} = 7cm$

_____ 8.) $\triangle QST \cong \triangle QRT$

_____ 9.) $\overline{QP} = 6cm \text{ and } \overline{RP} = 4cm$

_____ 10.) $\overline{QS} = 6cm, \text{ and } \overline{QP} = 6cm$