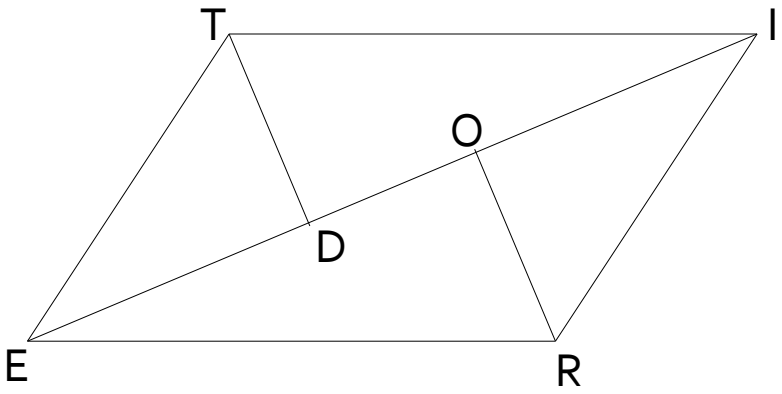

Given that:

$\overline{TE} \cong \overline{RI}$ $\overline{TI} \cong \overline{RE}$ $m\angle TDE = m\angle ROI = 90^{o}$

Show:

$\overline{TD} \cong \overline{RO}$

Statement	Justification
1. $\overline{TE} \cong \overline{RI}$	Given
2. $\overline{TI} \cong \overline{RE}$	Given
3. $TIER$ is a parallelogram	Theorem 6-8 (1, 2)
4. $\angle ETI \cong \angle IRE$	Theorem 6-5 (3)
5. $\angle TIR \cong \angle RET$	Theorem 6-5 (3)
6. $\triangle ETI \cong \triangle IRE$	SAS (1, 2, 4)
7. $\angle TEI \cong \angle RIE$	CPCTC (6)
8. $\angle TDE$ is a right $\angle$	Given
9. $\angle ROI$ is a right $\angle$	Given
10. $\triangle TED \cong \triangle IRO$	AAS (1, 7, 8)
11. $\overline{TD} \cong \overline{RO}$	CPCTC (10)