

Geometry (G.CO.9)

Unit One B: Proofs with Parallels #2 (HW25)

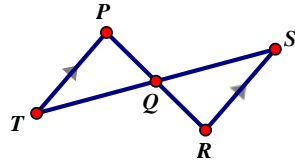
Name: _____

Date: _____ Period: _____

1) GIVEN:

$$\overline{PT} \parallel \overline{SR} \text{ \& } \overline{TQ} \cong \overline{SQ}$$

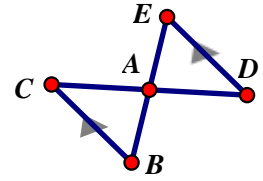
PROVE: $\triangle PQT \cong \triangle RQS$



2) GIVEN:

$$\overline{CB} \parallel \overline{ED} \text{ \& } A \text{ is the midpoint of } \overline{CD}$$

PROVE: $\triangle EAD \cong \triangle BAC$



STATEMENT	REASON

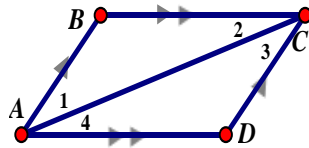
STATEMENT	REASON

3) GIVEN:

$$\overline{AB} \parallel \overline{CD} \text{ \& } \overline{BC} \parallel \overline{DA}$$

PROVE:

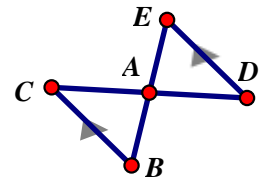
$$\triangle ABC \cong \triangle CDA$$



4) GIVEN:

$$\overline{CB} \parallel \overline{ED} \text{ \& } \overline{CA} \cong \overline{DA}$$

PROVE: A is the midpoint of \overline{EB}

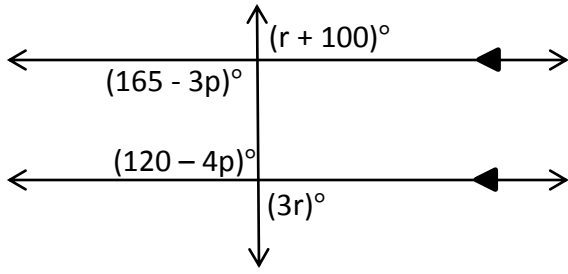


STATEMENT	REASON

STATEMENT	REASON

5) Solve the following problems.

a)



b)

