
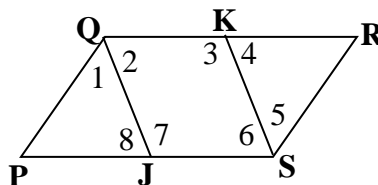



Proofs of Parallelograms
Pre-AP Geometry Homework

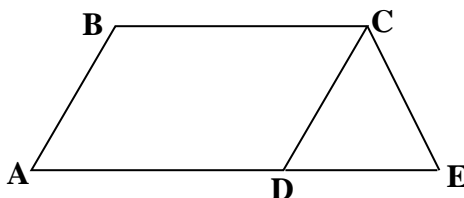
Name _____
 Period _____ Date _____


Do the following proofs on a separate sheet of paper and staple together.

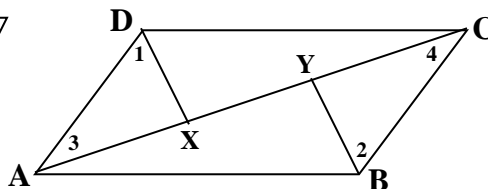
1. Given: PQRS is a 
 $\overline{PJ} \cong \overline{RK}$
 Prove: $\overline{QJ} \cong \overline{SK}$




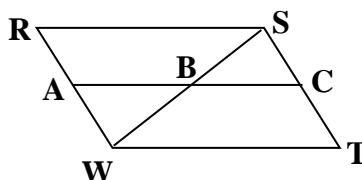
2. Given: ABCD is a 
 $\angle A \cong \angle E$
 Prove: $\triangle DCE$ is isosceles



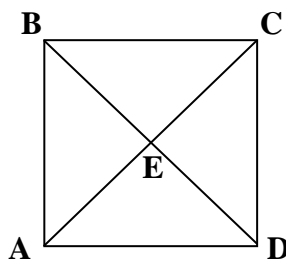
3. Given: ABCD is a 
 $\angle 1 \cong \angle 2$
 Prove: $\overline{DX} \cong \overline{BY}$



4. Given: RSTW is a 
 A, B & C are midpoints
 of the lines they lie on
 Prove: $\triangle ABW \cong \triangle CBS$



5. Given: ABCD is a square with diagonals
 \overline{AC} and \overline{BD} intersecting at E
 Prove: $\triangle DAB \cong \triangle CBA$



6. Given: RECT is a rectangle with diagonals
 \overline{RC} and \overline{ET} intersecting at A
 Prove: $\triangle RCT \cong \triangle ETC$

