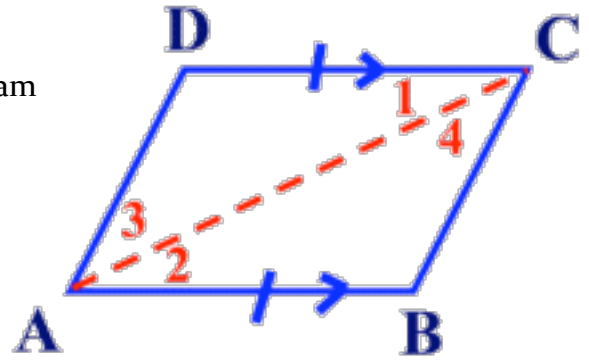


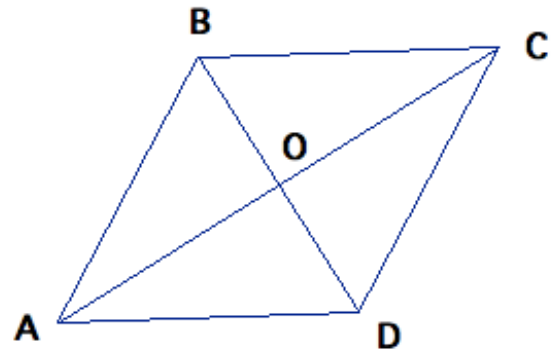
Quadrilateral Proof Homework

Name _____ Class _____

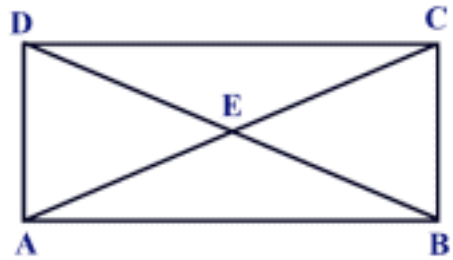
1. Given: $\overline{AB} \parallel \overline{CD}$ and $\overline{AB} \cong \overline{CD}$
Prove: Quadrilateral ABCD is a Parallelogram



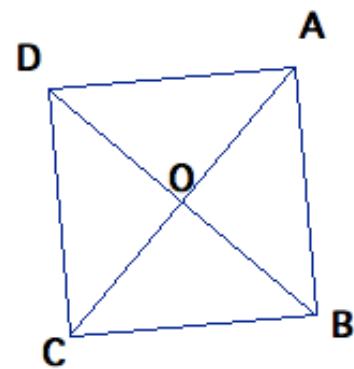
2. Given: Quadrilateral ABCD is a Rhombus
Prove: $\angle C \cong \angle A$ and $\angle B \cong \angle D$



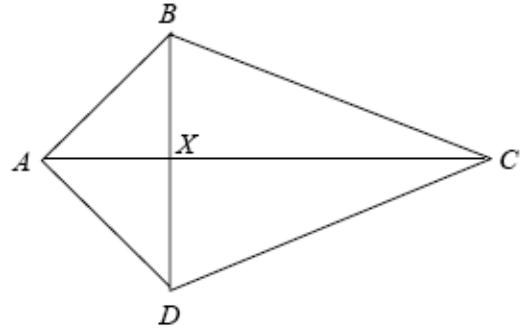
3. Given: Quadrilateral ABCD is a Rectangle
Prove: E is the midpoint of \overline{AC}



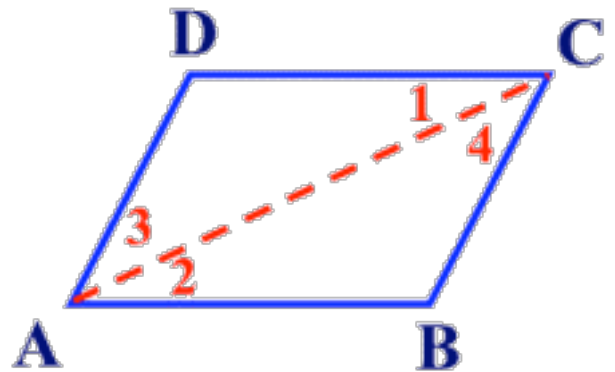
4. Given: Quadrilateral ABCD is a Square
Prove: $\triangle AOD \cong \triangle DOC$



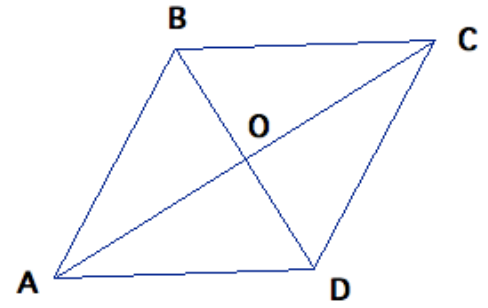
5. Given: Quadrilateral $ABCD$ is a Kite
Prove: \overline{AC} bisects \overline{BD}



6. Given: Quadrilateral $ABCD$ is a Parallelogram
Prove: $\angle D \cong \angle B$



7. Given: Quadrilateral ABCD is a Rhombus
Prove: $\overline{BD} \perp \overline{AC}$



8. Given: Quadrilateral ABCD is a Rectangle
Prove: \overline{BD} and \overline{AC} bisect each other

