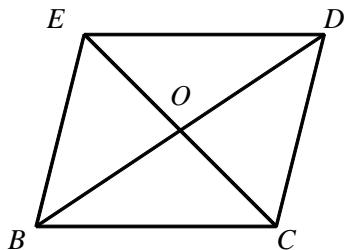


P.I. G.G.38: Investigate, justify, and apply theorems about parallelograms involving their angles, sides, and diagonals

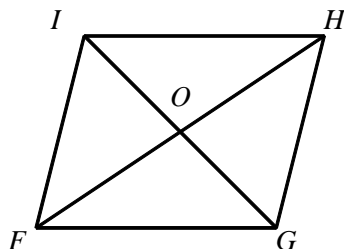
1. Complete the statement for parallelogram $BCDE$. Then state a definition or theorem as the reason.

$\overline{BC} \parallel$ _____



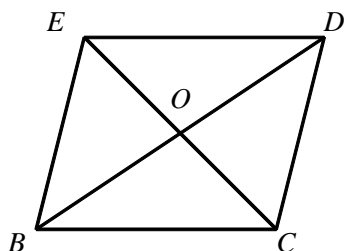
2. Complete the statement for parallelogram $FGHI$. Then state a definition or theorem as the reason.

$\overline{FO} \cong$ _____



3. Complete the statement for parallelogram $BCDE$. Then state a definition or theorem as the reason.

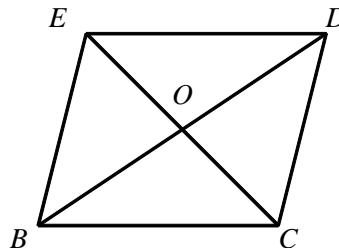
$\overline{CD} \cong$ _____



NAME: _____

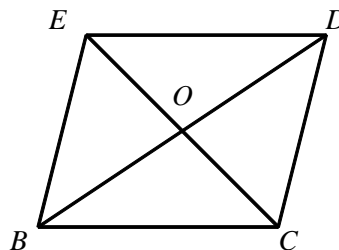
4. Complete the statement for parallelogram $BCDE$. Then state a definition or theorem as the reason.

$\overline{CD} \parallel$ _____



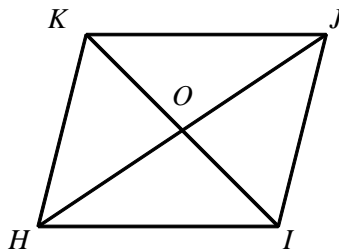
5. Complete the statement for parallelogram $BCDE$. Then state a definition or theorem as the reason.

$\overline{BC} \cong$ _____



6. Complete the statement for parallelogram $HIJK$. Then state a definition or theorem as the reason.

$\overline{KO} \cong$ _____



[1] \overline{ED} , definition of a parallelogram

[2] \overline{OH} , the diagonals of a parallelogram bisect each other

[3] \overline{BE} , both pairs of opposite sides of a parallelogram are congruent

[4] \overline{BE} , definition of a parallelogram

[5] \overline{ED} , both pairs of opposite sides of a parallelogram are congruent

[6] \overline{OI} , the diagonals of a parallelogram bisect each other
