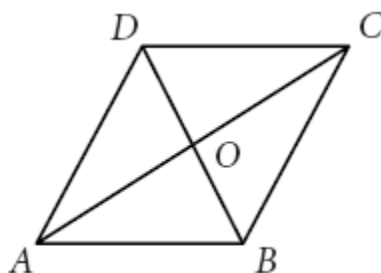


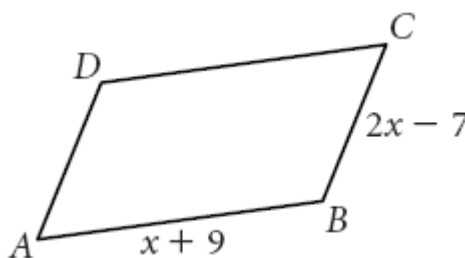
Name: _____

Parallelograms

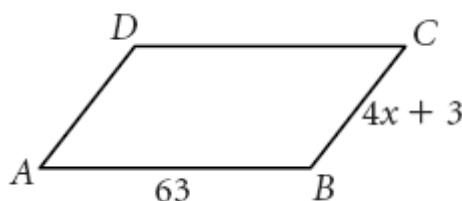
- 1) $ABCD$ is a parallelogram. If $AO = 11$, and $BO = 7$. Find the measure of AC and BD



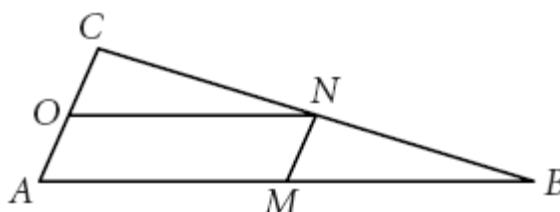
- 2) $ABCD$ is a parallelogram. If Perimeter $ABCD = 46$. Find the measures of AB and BC



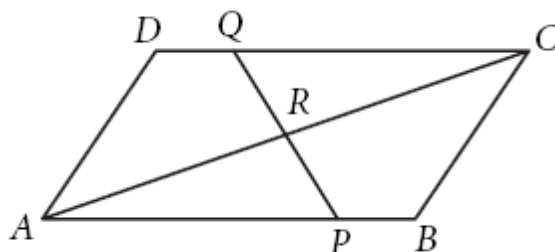
- 3) The perimeter of a parallelogram $ABCD = 16x - 12$. Find the measure of AD



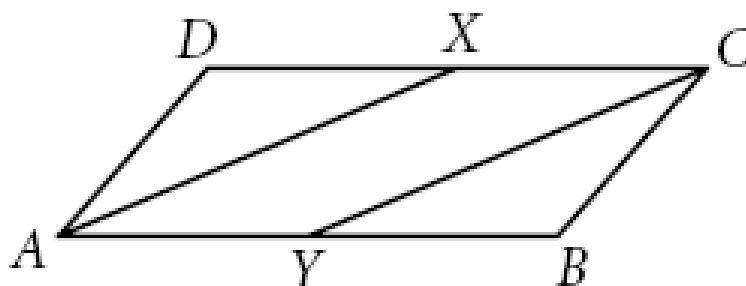
- 4) M , N , and O are midpoints. What type of quadrilateral is $AMNO$? How do you know? Write a proof showing that $\square ONC \cong \square MBN$



- 5) Given: $ABCD$ is a parallelogram
 $\overline{BP} \cong \overline{DQ}$
 R is the point of intersection of \overline{AC} and \overline{PQ}
 Prove: \overline{AC} and \overline{PQ} bisect each other



- 6) Given: Parallelogram $ABCD$ with angle bisectors \overline{AX} and \overline{CY}
 Prove: $AXCY$ is a parallelogram



- 7) Given: Parallelogram $ABCD$, $\overline{BY} \perp \overline{AC}$, $\overline{DX} \perp \overline{AC}$
 Show: $\overline{DX} \cong \overline{BY}$

