

PAP Geometry

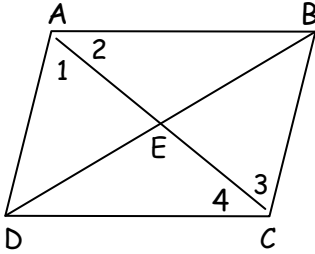
WS Parallelograms

Name _____

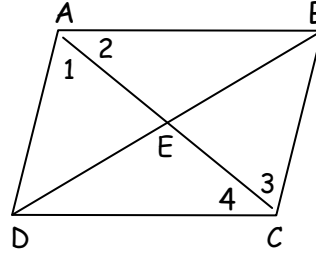
Date _____ Period _____

#1-2, ABCD is a parallelogram. Find the indicated lengths, angle measures, or value of x.

1. If $ED = 3x + 6$ and $DB = 48$,
then $x = \underline{\quad?}$.

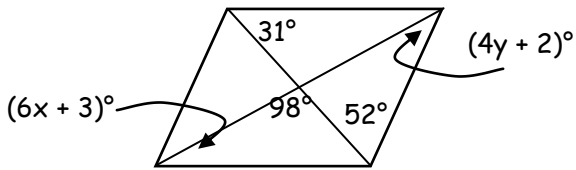


2. If $m\angle DAB + m\angle BCD = 214^\circ$
and $m\angle ABC = x$, then $x = \underline{\quad?}$.

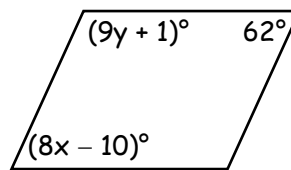


Find the value of the variables in the following parallelograms. Show all work!!!

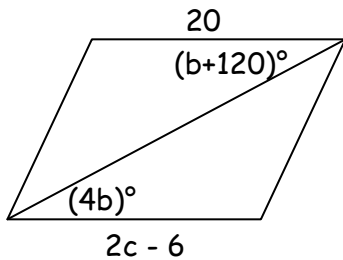
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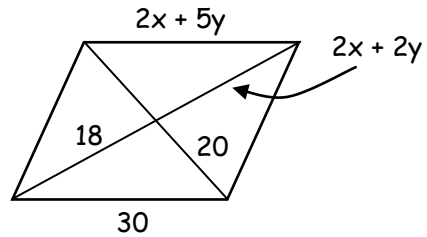
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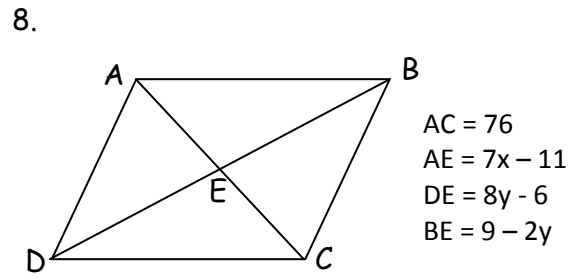
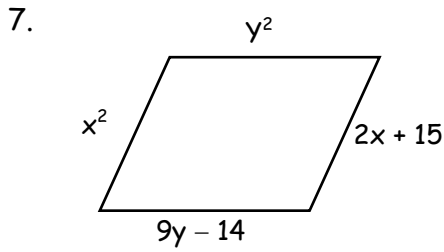


5.

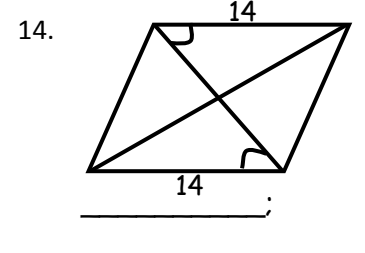
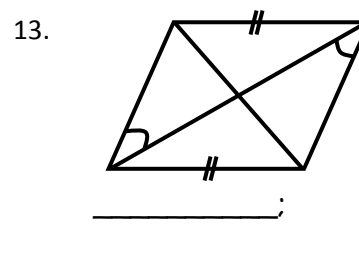
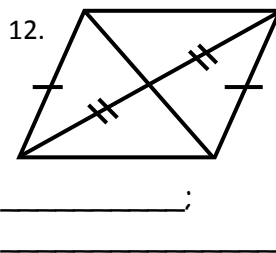
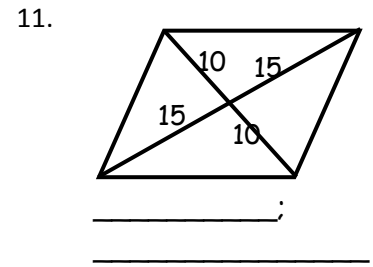
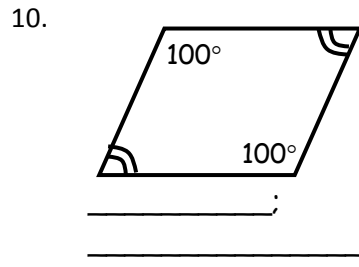
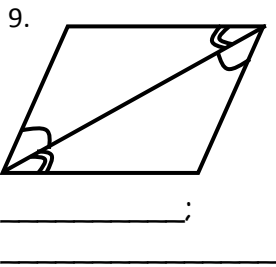


6.





For the figures below, determine if enough information is provided to determine that the quadrilateral is a parallelogram. Justify your answer. If nothing applies write not enough information.



Prove the following:

15. Given: $\square PQRS$; $\overline{PJ} \cong \overline{RK}$

Prove: $\triangle PSJ \cong \triangle RQK$

