

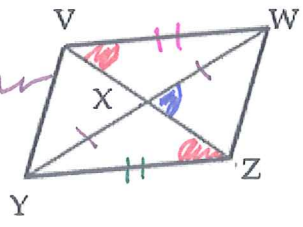
Name: Key Hr: _____

Parallelogram Properties PRACTICE QUIZ

Name the complete each statement about parallelogram JKLM. Show your justification for each.

- $\angle WVZ \cong \angle YZV$
// lines form \cong alt int \angle s.
- $YV \parallel WZ$
def of parallelogram op. sides are //
- $ZY \parallel VW$
def of para op. sides are //

- $\angle WXZ \cong \angle VXY$ vertical \angle s are \cong
- $XW \cong XY$ diags of a para bisect each other
- $VW \cong YZ$ op. sides of a Para are \cong



7. MNOP is a parallelogram. Find the values of x, y, z and $m\angle O$. Show your justifications for your set up.

$\angle M = y^\circ$, $\angle N = (11x - 5)^\circ$, $\angle P = (9x + 5)^\circ$, $\angle O = m\angle O$
 $MN = 5z - 3$, $NO = 11x - 5$, $PO = 2z + 6$, $MP = y$

Find x: $9x + 5 = 11x - 5$
 $10 = 2x$
 $5 = x$

Find y: $50 + y = 180$
 $y = 130$

Find z: $5z - 3 = 2z + 6$
 $3z = 9$
 $z = 3$

$X = 5$
 $Y = 130^\circ$
 $Z = 3$
 $m\angle O = 130^\circ$

5. ABCD is a parallelogram. Solve for h and g and show your justifications for your set up.

$\angle BAC = (6h)^\circ$, $\angle DCA = 12^\circ$, $DE = 60\text{cm}$

Find h: $\angle BAC \cong \angle DCA$
 $6h = 12$
 $h = 2$

$DE = EB$ diags of a para bisect each other
 $60 = 13g + 3$
 $57 = 13g$
 $4.38 = g$

$g = 4.38$
 $h = 2$

Name: _____ Hr: _____

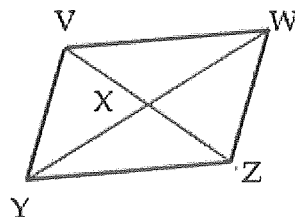
Parallelogram Properties PRACTICE QUIZ

Name the complete each statement about parallelogram JKLM. Show your justification for each.

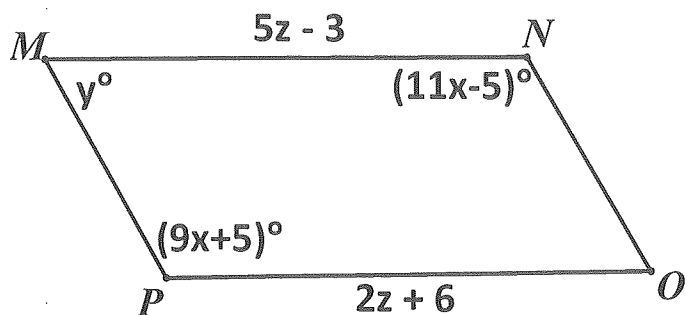
1. $\angle WVZ \cong$ _____ 2. $\angle WXZ \cong$ _____

3. $\overline{YV} \parallel$ _____ 4. $\overline{XW} \cong$ _____

5. $\overline{ZY} \parallel$ _____ 6. $\overline{VW} \cong$ _____



7. MNOP is a parallelogram. Find the values of x , y , z and $m\angle O$. Show your justifications for your set up.



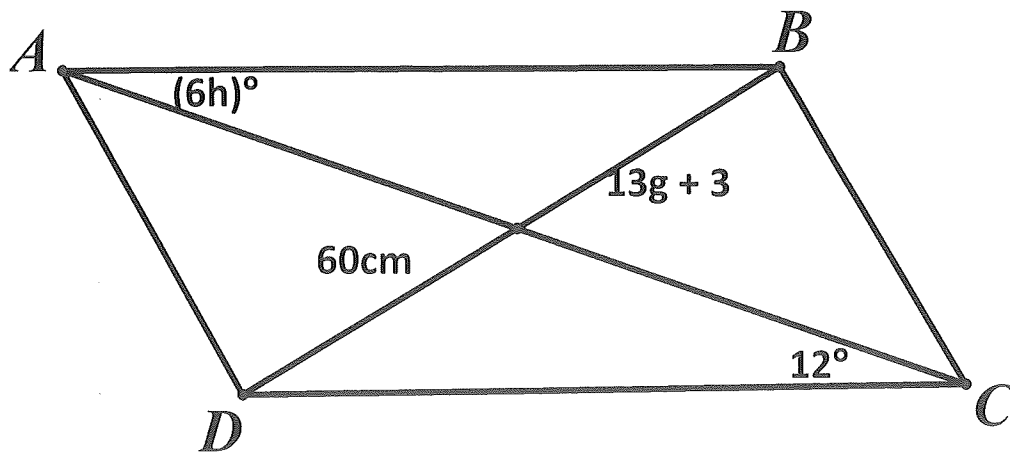
$X =$ _____

$Y =$ _____

$Z =$ _____

$m\angle O =$ _____

5. ABCD is a parallelogram. Solve for h and g and show your justifications for your set up.



$g =$ _____

$h =$ _____