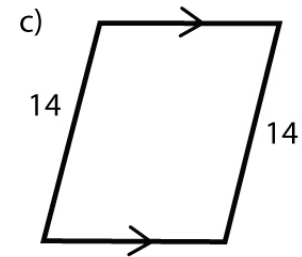
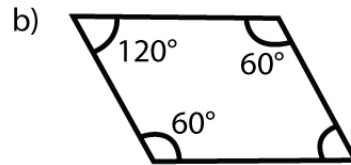
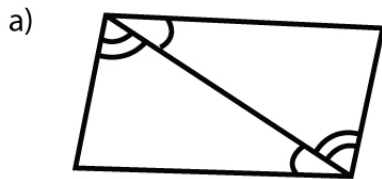


Name : \_\_\_\_\_

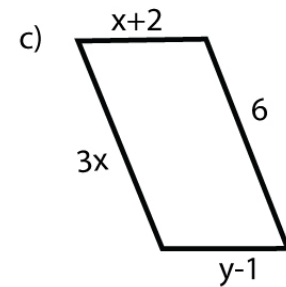
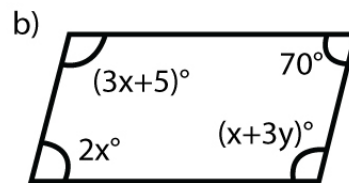
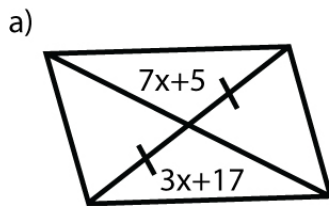
Score : \_\_\_\_\_ Date : \_\_\_\_\_

**Worksheet on Proving a Quadrilateral a Parallelogram**

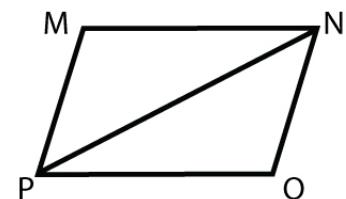
- 1 Determine if each quadrilateral is a parallelogram. Say whether enough information is provided for your conclusion.



- 2 Find the value of 'x' and 'y' to ensure each quadrilateral is a parallelogram.



- 3 Given  $\triangle MNP \cong \triangle NOP$   
Prove that MNOP is a parallelogram.



- 4 Decide whether each piece of information is sufficient to prove that XYZW is a parallelogram

- 1) O is the midpoint of XZ and WY
- 2)  $m\angle XWZ + m\angle WZY = 180^\circ$
- 3)  $\overline{XW} \parallel \overline{YZ}$  and  $\overline{WZ} \cong \overline{YX}$
- 4)  $\angle XWZ \cong \angle XYZ$ , and  $\angle WXY \cong \angle WZY$
- 5)  $\triangle XWO \cong \triangle ZYO$     6)  $\triangle XWO \cong \triangle ZYO$

