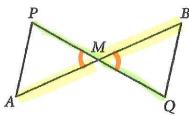
Advanced Congruent Triangle Practice

Use the given information to identify the congruent triangles. Describe what congruence shortcut you used and what angles or sides you know are congruent. (Show your Geometry!!!)

Use your three different colors to identify your three corresponding congruent parts.

1. M is the midpoint of \overline{AB} and \overline{PO} .

 $\triangle APM \cong \triangle BOM$

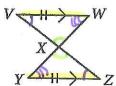


S: PM = MQ def of midpt

A: LAMP = LBMQ vertical 45 are =

S: AM = MB def of midpt

 $\triangle XVW \cong \triangle XZY$



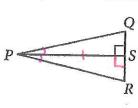
A: LWXV = LZXY vertical 45 are =

A: W = ZZ alt. int. 45 are =

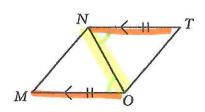
S:VW = ZY given

 \overline{PS} is the angle bisector of $\angle QPR$.

$$\triangle PQS \cong \triangle PRS$$

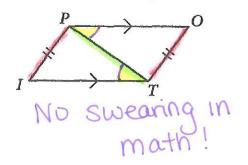


 $\triangle MON \cong \triangle \top NO$



S: NO = NO reflexive

4. $\triangle PIT \cong \triangle \longrightarrow none$



A: LQSP = LRSP & right LS are suppl.

S: PS = PS reflexive

A: LQPS = LRPS def of L bisector