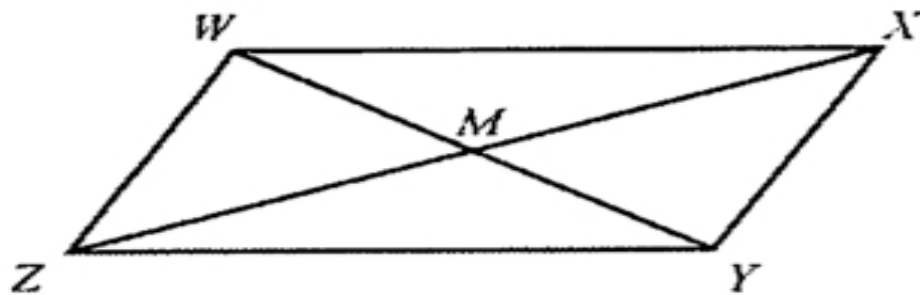


22. Given: Parallelogram $WXYZ$ with diagonals \overline{WY} and \overline{XZ}
 Prove: $\triangle WMX \cong \triangle YMZ$



STATEMENTS	REASONS
1. Parallelogram $WXYZ$ with \overline{WY} and \overline{XZ}	1. Given
2. \overline{WY} and \overline{XZ} bisect each other	2. Diagonals of a parallelogram bisect each other.
3. $\overline{WM} \cong \overline{MY}$ and $\overline{ZM} \cong \overline{MX}$	3. If a segment is bisected, 2 \cong segments are formed.
4. $\angle WMX \cong \angle ZMY$	4. If 2 lines intersect the vertical \angle s formed are \cong .
5. $\triangle WMX \cong \triangle YMZ$	5. SAS