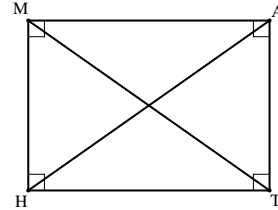# Common Core Geometry Proof – Parallelograms_5

Diagonals of a Rectangle

Theorem: If a parallelogram is a rectangle, then the diagonals are congruent.

Given: Rectangle MATH with diagonals $\overline{MT}$ and $\overline{HA}$

Diagram:

Prove: $\overline{MT} \cong \overline{HA}$

Statements	Reasons