Th. 5.11   The △ Inequality Th.

The sum of the lengths of any 2 sides of a △ is greater than the length of the 3rd side.

Th. 5.12

The $\perp$ segment from a point to a line is the shortest segment from the point to the line.

Cor. 5.1

The ⊥ segment from a point to a plane is the shortest segment from the point to the plane.