

## **LESSON 5-4**

**Theorem 5-9:** If one side of a triangle is longer than another side, then the angle opposite the longer side has a greater measure than the angle opposite the shorter side.

**Theorem 5-10:** If one angle of a triangle has a greater measure than another angle, then the side opposite the greater angle is longer than the side opposite the lesser angle.

**Theorem 5-11:** The perpendicular segment from a point to a line is the shortest segment from the point to the line.

**Corollary 5-1:** The perpendicular segment from a point to a plane is the shortest segment from the point to the plane.