5-2 Inequalities and Triangles

Inequality: $6 \mathfrak{D}4$ \* For any real numbers a and b, a > b iff there<br/>is a positive number x, such that a = b + c.Example:If 6 = 4 + 2, 6 > 4 and 6 > 2Inequality Properties from Algebra will be<br/>applied to measures of angles and sides.

Geom

Comparison Property: \* a < b, a = b, or a > bTransitive Property: \* If a < b and b < c, then a < c\* If a > b and b > c, then a > cAddition & Subtraction Properties: \* If a > b, then a + c > b + c and a - c > b - c\* If a < b, then a + c < b + c and a - c < b - c









