larger

smaller

INEQUALITIES INVOLVING TWO TRIANGLES

Theorem 5-13: SAS Inequality (Hinge Theorem)

If two sides of one triangle are congruent to two sides of another triangle, and the included angle of the first is larger than the included angle of the second, then the third side of the first is longer than the third side of the second.



If two sides of one triangle are congruent to two sides of another triangle, and the third side of the first is longer than the third side of the second, then the included angle of the first is larger than the included angle of the second.







5.6 Inequalities Involving Two Triangles (work).notebook

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4) $\overline{HJ}, \overline{KP}$



5) *m∠*1,*m*∠2



6) *m∠*3,*m*∠4



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10) 6 $(7x+4)^{\circ}$ 6 6

11)



