

Scissors Congruence

Math 282 Computational Geometry

Question 1: Is every triangle scissors congruent with some rectangle? *Find a proof or a counterexample.*

Question 2: Are every two rectangles of the same area scissors congruent? *Find a proof or a counterexample.*

Question 3: Suppose polygon P is scissors congruent to polygon Q , and Q is scissors congruent to polygon R . Is P scissors congruent to R ? *Find a proof or a counterexample.*

Question 4: Let P and Q be polygons of the same area. Are P and Q scissors congruent? *Find a proof or a counterexample.*