

## Elementary Folding Moves

*Elementary Folding Move 1:* Given two points A and B, one can fold point A onto point B.

*Elementary Folding Move 2:* Given two points A and B, one can fold a line that passes through points A and B.

*Elementary Folding Move 3:* Given two lines L and M, one can fold line L onto line M.

*Elementary Folding Move 4:* Given a line L, a point A that is on one side of line L, and a Point B that is on the opposite side of, or on, line L, one can fold a line M so that point A is on line L and line M goes through point B.

*Proposed Elementary Folding Move to generalize the third fold in the angle trisection process:*

Given 2 parallel lines (L1 and L2), point A on L1, and point B on L3 (a line intersecting L1 and L2), one can fold point A onto L3 and point B onto L1.