Where are the Congruent Halves?—Answer Key

Directions:

- 1. Each figure can be made from 2 congruent figures.
- 2. Find the congruent figures by drawing in one or more segments.
- 3. Use patty paper to verify that your answer is correct for each problem.
- 4. The solution for problem # 1 is given to the right.







 $\ensuremath{\mathbb{C}}$ 2016 National Council of Teachers of Mathematics http://www.nctm.org

Definition of Congruent Figures:

Two figures are congruent if and only if there is a sequence of reflections, translations, and/or rotations that maps one figure onto the other.

Describe a sequence of transformations that would map each half to its congruent half. Label one figure "A" and the other figure "B" before you describe the transformation.







NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

 $\ensuremath{\textcircled{}}$ 2016 National Council of Teachers of Mathematics http://www.nctm.org