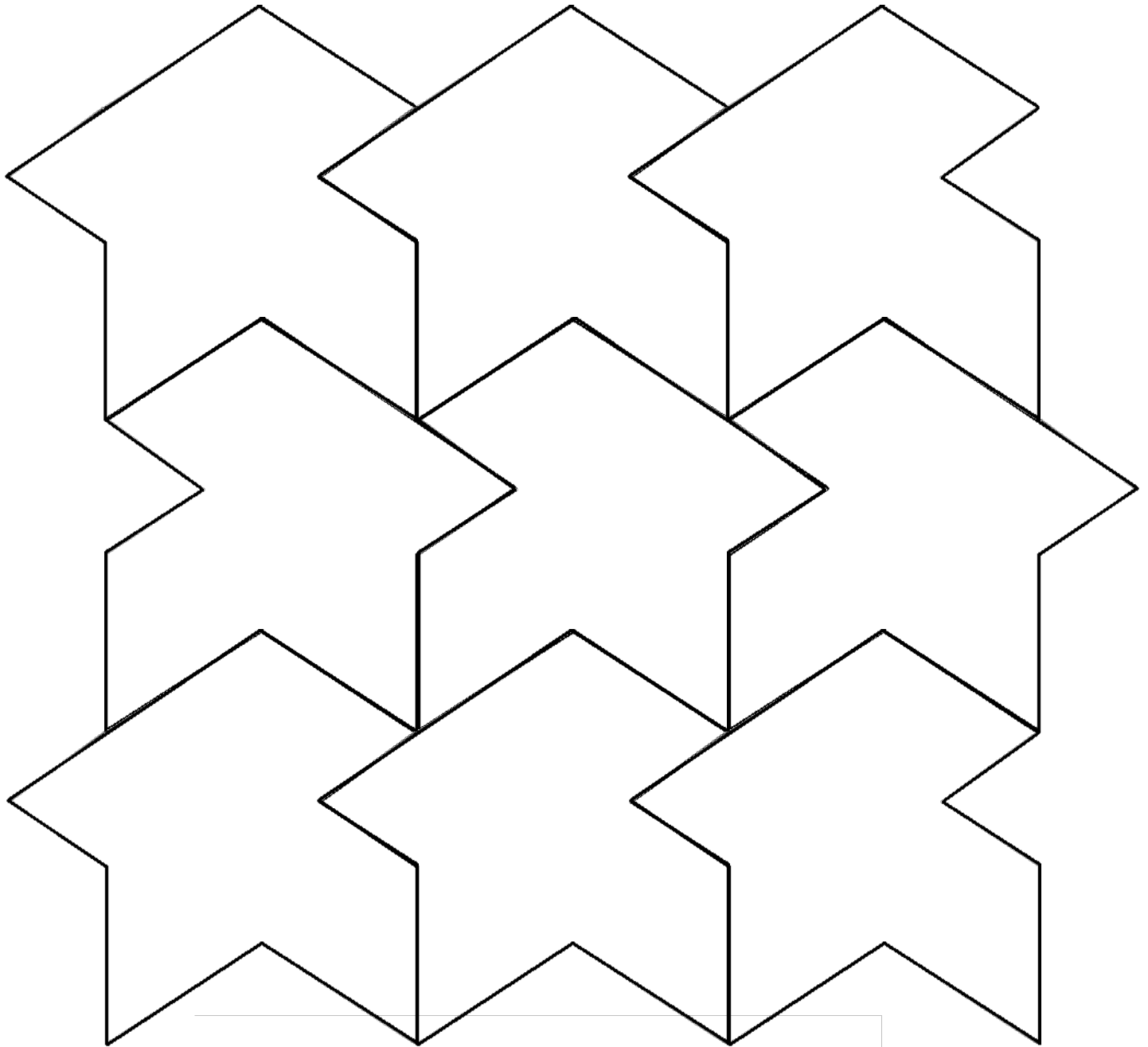


# Activity Worksheet: *Glide Reflection Tessellation*



1. Cut out this tile
2. Color the front side of the tile (labeled "A"). Label the reverse side of the tile with a "B" and color it in a *different* color.
3. Test your tile on the tessellation pattern above! With side A up, *translate* (e.g. slide) the tile around the pattern. Label the shapes of the tessellation pattern where it fits with an "A." Flip the tile to side B and repeat. **\*Notice:** What direction(s) do you move your tile in order to align it with each of the shapes in the tessellation? When do you have to flip the tile in order to create the next shape in the pattern?\* Color the tessellation pattern if you wish.
4. **Practice!** Option 1: Using the tile you cut out, *trace a new tessellation* on the back of this sheet. You may wish to refer to the tessellation above to see how to align and arrange your shapes. Option 2: *Cut out* all of the shapes in the tessellation, then *rearrange* them—like a puzzle! To make the tessellation permanent you may then wish to glue the pieces onto a stiff sheet of paper\*

