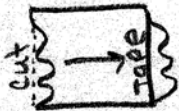


by Dani Redmen

1) I first began by making a $8\frac{1}{2} \times 8\frac{1}{2}$ square out of Card board.

2) I then cut out a shape on one side and slid it across and taped it to the opposite side.



This is a translation.

3) I then used a mira and found the midpoints of both sides. on one side I cut out a shape below the midpoint, I then rotated it on the midpoint and taped it above the midpoint



This is a centerpoint rotation.

4) I then repeated this same step on the opposite side, only I cut and rotated a different shape

This is another centerpoint rotation.



5) Now with my final shape I traced it and moved it to create my tessellation. Every other row is flipped and rotated to make the shapes fit together.

6) I then looked at the shapes and saw a face, so I then decorated and colored the tessellation

