

Problem Set 12 Handout #1

In each white box, determine if the coloring in the column heading has the symmetry in the row heading. Put a check mark in the box if it does. The entire first row has been checked, since every coloring is unchanged if the identity transformation is applied to it.

When you're done with the check marks, count up the total number of check marks in each row and column and write those totals in the shaded "Row Count" and "Column Count" boxes. Write the total number of check marks in the lower-right corner.

Coloring																	Row Count
Identity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	16
Rot 90°																	
Rot 180°																	
Rot 270°																	
Reflect																	
Reflect																	
Reflect																	
Reflect																	
Column Count																	$\Sigma =$

or 2⁴