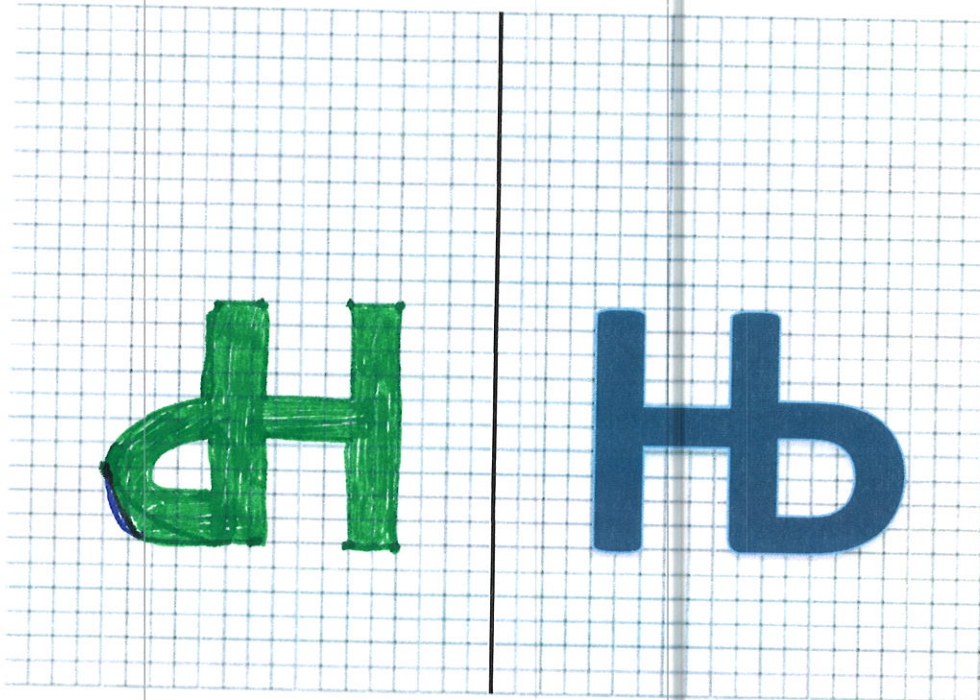
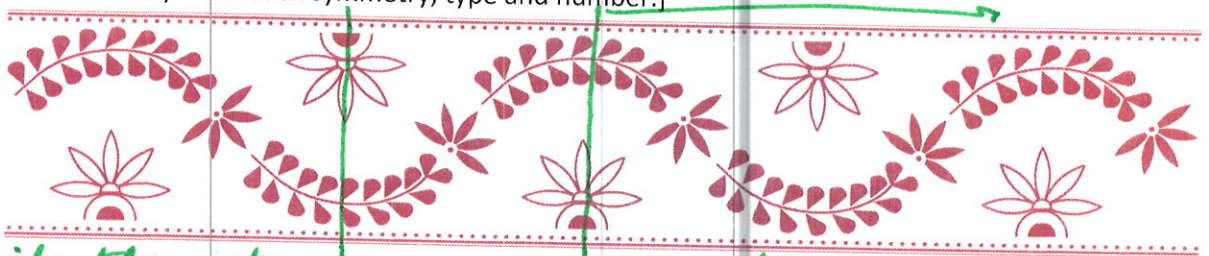


**Instructions:** Show all work. Use exact answers unless otherwise directed to round.

1. Reflect the image across the indicated line.



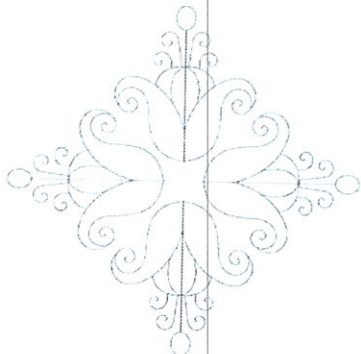
2. State the symmetries of the border pattern below. [You do not need to provide notation, but you should clearly state each symmetry, type and number.]



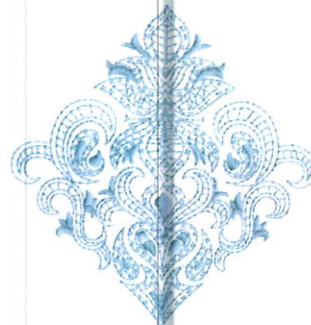
*identity rotations*

*reflections, translations, glide reflection*

3. For each of the shapes below, use correct notation to indicate which type of symmetries are present.



$D_4$



$D_1$