

MA 111 Worksheet on Symmetries of Finite Shapes

October 26, 2011

In Class Activity:

For each name on the attached page, specify the symmetry type (Z_1 , Z_2 , D_1 , D_2):

annie _____

hannah _____

una _____

yvette _____

warren _____

virginia _____

rene _____

julian _____

michael _____

otto _____

nathan _____

quincy _____

robin _____

eve _____

debbie _____

suzanne _____

zane _____

timothy _____

philip _____

candy _____

lily _____

xavier _____

kim _____

greg _____

francine _____

Homework: Due at the beginning of class on Monday, October 31.

Find a way to write your name in a symmetric way.

No credit for Z_1 symmetry.

Extra credit if you write your name with a symmetry type other than Z_2 , D_1 , D_2 .

Some names are easier than others, but if you are stuck, try your first name only, or your last name only, or your middle name only, or a combination of first name, middle name, last name, or first name, middle initial, last name, etc. You may need to be creative by running letters together (For example, see Robin and Michael on the attached page).

Please include two copies of your name. The first copy should be a nicely drawn copy of your name. On the second copy of your name, you should draw in all axes of reflection. Be sure to describe the correct symmetry type.

Your score will be based on creativity and effort as well as mathematical correctness (correctly identifying symmetry type).

If your name is one of the names on the attached page, you will need to either use your middle name, or come up with a way of writing your name that is different from the names on the attached page.