

Sec 1H Unit 8 Day 1 - Reflection and Rotational Symmetry Assignment

1. Which capital letters have reflection symmetry? For each one that does, draw all the lines of symmetry.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



Tell whether the design has reflection symmetry. If it does, draw all the lines of reflection symmetry.

2.



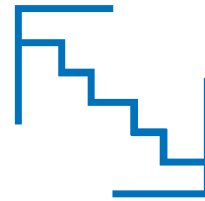
3.



4.



5.



6.



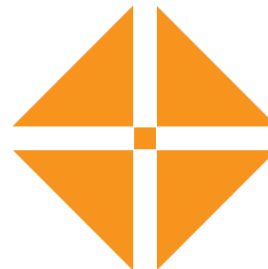
7.



8.



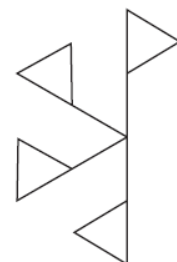
9.



10a. Use the flag shape at the right as a basic design element. Use it to complete the design with rotation symmetry.



b. What is the initial angle of rotation for the design?



- Tell whether the designs have rotational symmetry.
- For each one that does, find the initial angle of rotation.
- Then list the other angles of rotation less than 360 degrees that would rotate the figure to a position in which it looks like the original.
- Also put a point approximately where the center of rotation would be.

11.



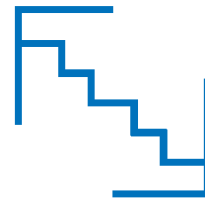
12.



13.



14.



15.



16.



17.



18.



*Every mistake you make is progress.*