2/26/20 - Warm Up Problem

Write a transformation in function notation to describe each graph.









Write a composition of transformations in function notation that maps each preimage onto its image.

Concept 21 - Symmetry

Goals: determine if a figure shows reflectional or rotational symmetry - find lines of symmetry and angles of rotational symmetry

Symmetry: a rigid motion maps the figure onto itself

There are two kinds of symmetry:

- reflectional symmetry
- rotational symmetry



<u>Reflectional Symmetry (line symmetry)</u>

- One half of the figure is a mirror image of the other half
- A line of symmetry can be drawn through figure



Rotational Symmetry

A figure has rotational symmetry if the figure looks the same after being rotated less than 360°

- a figure can have several different angles of rotational

