Name	Date	BIA

Geometry in Islamic Design - Warm Up

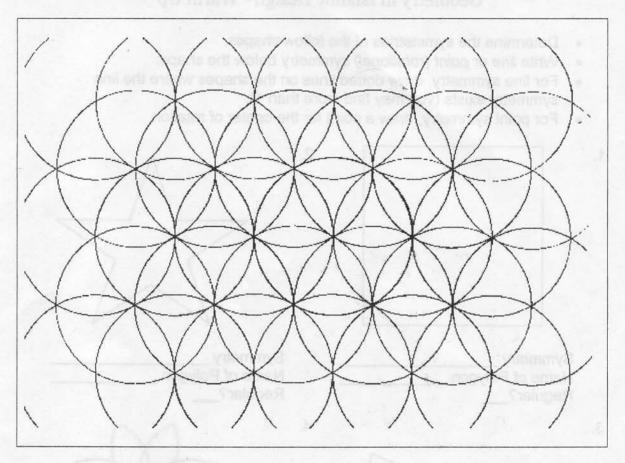
- Determine the symmetries of the follow shapes.
- Write line or point (rotational) symmetry below the shape.
- For line symmetry, draw dotted lines on the shapes where the line symmetry exists (you may find more than 1).

For point symmetry, draw a point for the center of rotation. 2. 1. Symmetry Symmetry Name of Polygon Name of Polygon Regular? Regular? 3. 4. Symmetry Symmetry Name of Polygon __ Regular?___ 5. Are any of the shapes similar?_____

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Creating Islamic Designs

Create an Islamic design with colored pencils that includes all three types of transformations (translations, rotation, and reflection). Color the entire grid.



Why does your design represents an Islamic pattern?

Are there any reflectional/rotational symmetries or translations in your design?