**Math 9 Lesson 1-3 – Rotations and Symmetry**



Example 1: Determine which of the following have rotational symmetry. State the order of rotation and the angle of rotation.

Example 2



Example 3: 

**Big Ideas:**

Remember, a turn is defined by the **degree of rotation**, the direction **of the rotation** and the **location of the rotation center** (can be the center, or any vertex or a point not touching the object). You must state **all 3** pieces of information.

**Angle of rotation** is the number of degrees an object must rotate before it coincides with itself. (360˚ divided by the order of rotation)

**Now try your assignment page 365 #4-10**