**9SS5 V1 Shape and Space – Symmetry**

**Part I:**

1. Draw all possible lines of symmetry in each of the following figures.





1. Determine the order and angle of rotation symmetry for each object below.







**Part II:**

1. Create a shape that satisfies the following conditions.
	1. Has rotation symmetry with order less than 3.
	2. Has neither rotation nor line symmetry.



1. Explain how the number of lines of symmetry of a **regular** polygon relates to the number of sides it has.

**Part III:**

1. Explain any symmetry this object might have.