Year 10 Mathematics Learning Journey: Unit 1 – Rotation and Translation

Step 7 (H): Series of transformations

Why do you not start with the original shapes when performing the second transformation?

Step 6: Compare rotation and reflection

What does it mean for a point or a line to be invariant?

Step 5: Translation

Describe the vector $\binom{2}{-3}$ in words.
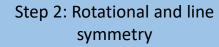
Step 4: Rotation (2)

Why does a 90 degree rotation clockwise produce the same image as a 270 degree rotation anti-clockwise?

Step 3: Rotation (1)

Why do you not need a direction when rotating by 180 degrees?

Step 2: Rotational and line symmetry

Can a shape have more lines of symmetry than its order of rotational symmetry?

Step 1: Rotational symmetry

How do you find the order of rotational symmetry of a shape?

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