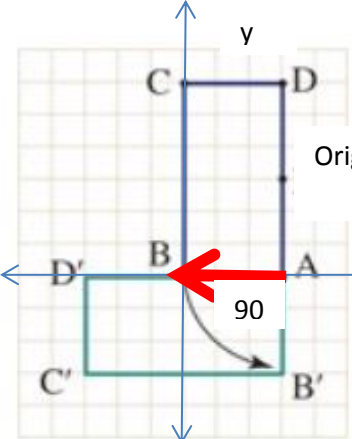


AusVELS 7.0 *Students will be able to represent transformations of triangles and quadrilaterals on the Cartesian Plane.*

Step 1	<p>Write out the question. Include a clear diagram of the object on the labelled Cartesian Plane. Label all vertices.</p> <p>Indicate</p> <ul style="list-style-type: none"> ➤ The three types of transformations are translation, reflection & rotation. ➤ Use concrete models to illustrate the rotation of shapes e.g.: magnetic shapes. 	 <p>The rectangle has been rotated about point A.</p> <p>Show the resulting image after the shape has been rotated 90° anticlockwise about A.</p> <p>Each grid space represents one unit.</p>
Step 2	<p>List the co-ordinates of each vertex in the object. Indicate which set of co-ordinates is the centre of rotation.</p>	<p>A (3, 0) B (0, 0) C (0, 6) D (3, 6) A (3, 0). This is the centre of rotation.</p>
Step 3	<p>Visualise the object being rotated 90° anti-clockwise</p>	
Step 4	<p>Indicate</p> <ul style="list-style-type: none"> ➤ The co-ordinates of the centre of rotation remain the same. 	<p>A' (3, 0) B' (3, -3) C' (-3, -3) D' (-3, 0)</p> 