

2**Rotations****Your Turn Questions**

1. a) Draw a rectangle that is not a square. Rotate the rectangle 90° clockwise using the centre of the rectangle as the turn centre.

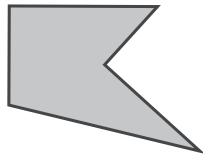
b) Rotate the rectangle you drew in part a) 180° using the bottom right vertex of the rectangle as the turn centre.

2

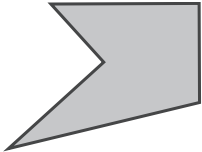
Rotations

Your Turn Questions (continued)

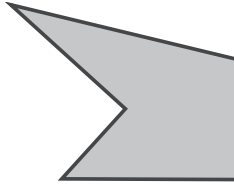
2. Which picture looks like a rotation of the shape below?



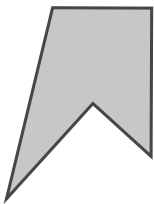
A



B



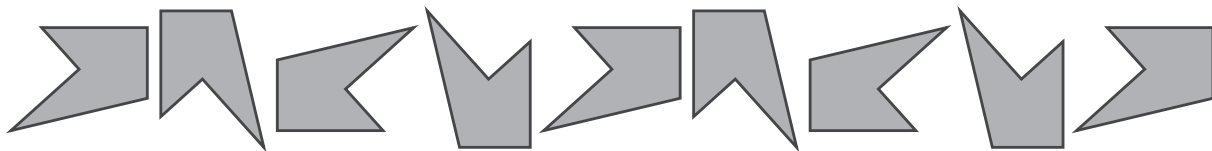
C



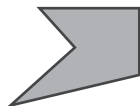
D



3. Which shape looks like the 27th shape in this pattern?



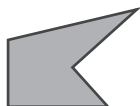
A



B



C



D

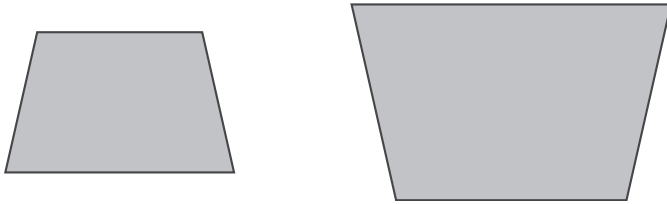


2

Rotations

Your Turn Questions (continued)

4. Why can't the shape on the right be the result of rotating the shape on the left?



5. On the coordinate grid below, the rectangle is turned 90° clockwise using turn centre $(4, 2)$. Where does vertex $(0, 0)$ go?

