**Topic test: Transformations**

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| Q | Assessment Skill | marks | LEVEL |
| 1 | Draw in the reflections | 1 | 4 |
| 2 | Draw in the reflection in the line of symmetry | 1 | 4 |
| 3 | Draw the rotation of the triangle by 1800 about point A | 2 | 4 |

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| 4 | Draw the translation of the shape by 3 squares to the right | 1 | 4 |
| 5 | A regular hexagon is drawn below     1. Draw a line of symmetry which passes through the point P. 2. How many lines of symmetry does a regular hexagon have? 3. What is the order of rotational symmetry of a regular hexagon? | 1  1  1 | 5 |

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| 6 | Draw the reflections of the triangle in the line of symmetry | 2 | 5 |
| 7 | Draw the rotation of the kite by 900 clockwise about point A | 2 | 5 |
| 8 | On the grid below, show the kite reflected in two lines of symmetry. | 2 | 5 |

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| 9 | Draw the translation of the triangle  3 squares to the right and 2 squares up | 2 | 5 |
| 10 | Enlarge the shape by scale factor 2,  Using point *P* as a the centre of enlargement | 2 | 6 |

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| 11 | Look at the square grid below.  The diagram shows an enlargement of scale factor 2.  Find the centre of enlargement.  Mark the centre of enlargement with a cross. | 2 | 6 |
| 12 | Describe the transformation from shape A to shape B | 2 | 6 |
| 13 | Enlarge using the scale factor of ½ from centre of enlargement marked \* | 3 | 7 |

**Assessment criteria**

Marks: Topic level:

My EOY target level:

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| **Q** | **I can…** | **marks** | **level** | **☹**  **R** | **😐**  **A** | **☺**  **G** |
| 1 | Reflect a shape | 1 | 4 |  |  |  |
| 2 | Reflect a shape in a diagonal line of symmetry | 1 | 4 |  |  |  |
| 3 | Rotate a shape 1800 about a point | 2 | 4 |  |  |  |
| 4 | Translate a shape with simple directions | 1 | 4 |  |  |  |
| 5 | 1. Draw in a line of symmetry 2. Indentify lines of symmetry 3. Identify rotational symmetry | 1  1  1 | 5 |  |  |  |
| 6 | Reflect a shape in a diagonal line of symmetry | 2 | 5 |  |  |  |
| 7 | Rotate a shape 900 about a point | 2 | 5 |  |  |  |
| 8 | Reflect a shape in two lines of symmetry | 2 | 5 |  |  |  |
| 9 | Translate a shape with given directions | 2 | 5 |  |  |  |
| 10 | Enlarge a shape with centre of enlargement | 2 | 6 |  |  |  |
| 11 | Find centre of enlargement | 2 | 6 |  |  |  |
| 12 | Describe a transformation | 2 | 6 |  |  |  |
| 13 | Enlarge a shape with fractional scale factor | 3 | 7 |  |  |  |
| **TOTAL** | |  |  |  |  |  |
| **AAF:** | |  |  | ☝  **ebi** | ☝  **ebi** | ☝  **www** |