

# Geometry 2

## Maths Geometry and Trigonometry (MGT)

# Maths

Statement code no. MGT2

Student:

Class:

At Junior Certificate level I can:

Apply basic facts related to geometry to solve problems and plot shapes and points on a co-ordinate plane

Date Commenced:

Date Awarded:

### Learning Targets I can...

- |   |  |
|---|--|
| 1 Explain the following key words: opposite angles, alternate angles, corresponding angles, transversal, Cartesian/coordinate plane, central symmetry, axial symmetry, rotation | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Apply the fact that the angles of any triangle add up to $180^\circ$ to solve a problem   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Apply the fact that the angle in a straight line is $180^\circ$ to solve a problem  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Use vertically opposite angles to solve problems  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Identify and calculate corresponding and alternate angles formed when a line intersects parallel lines (transversal)  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Draw the image of given shapes under central symmetry   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Draw the image of given shapes under axial symmetry   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Draw the image of given shapes under rotation   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Draw the X and Y axes to scale and locate the origin  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Plot and locate points on the coordinate plane   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Work begun

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Work in progress

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Work completed

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