

# 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

☐ ☐ ☐

Work in progress

☐ ☐ ☐

Work completed

☐ ☐ ☐

# Geoiméadracht 2

## Matamaitic Geoiméadracht agus Triantánacht (MGT)

### Matamaitic

### Cód Ráitis Uimhir MGT2

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh tá mé ábalta:

Bunfhiricí bainteach le geoiméadracht a chur i bhfeidhm chun fadhbanna a réiteach agus chun cruthanna agus pointí a bhreacadh ar phlána comhordanáidithe.

Dáta Tosaithe:

□□/□□/□□

Dáta Bronnta:

□□/□□/□□

### Spriocanna Foghlama atá bainte amach agam:

- 1 Na heochairfhocail seo a leanas a mhíniú: uillinneacha urchomhaireacha, uillinneacha ailtéarnacha, uillinneacha comhfhreagracha, trasnaí, plána Cairtéiseach/comhordanáidithe, siméadracht lárnach, siméadracht aiseach, rothlú. □□□
- 2 An fíric a chur i bhfeidhm chun fadhb a réiteach gurb ionann uillinneacha triantáin agus  $180^\circ$  □□□
- 3 An fíric a chur i bhfeidhm chun fadhb a réiteach gurb ionann an uillinn i líne dhíreach agus  $180^\circ$  □□□
- 4 Rinnuillinneacha urchomhaireacha a úsáid chun fadhbanna a réiteach □□□
- 5 Uillinneacha comhfhreagracha agus uillinneacha ailtéarnacha a chruthaítear nuair a thrasnaíonn líne línte comhthreomhara (trasnaí) a aithint agus a mheas. □□□
- 6 Íomhá cruthanna tugtha a tharraingt faoi shiméadracht lárnach □□□
- 7 Íomhá cruthanna tugtha a tharraingt faoi shiméadracht aiseach □□□
- 8 Íomhá cruthanna tugtha a tharraingt faoi rothlú □□□
- 9 Na haiseanna X agus Y a tharraingt de réir scála agus an bunphointe a aimsiú □□□
- 10 Pointí ar an bplána comhordanáidithe a bhreacadh agus a aimsiú □□□

Obair Tosaithe

□□□

Obair idir lámha

□□□

Obair Críochnaithe

□□□