

# Graphs, Constructions and Transformations

## Maths

Statement Code no: 7

Student:

Class:

At Junior Certificate level the student can:

Apply the knowledge and skills required to sketch graphs and transformations and to perform basic constructions in geometry

Date Commenced:    /    /

Date Awarded:    /    /

### Learning Targets - This has been demonstrated by your ability to:

- |    |  |  |
|----|--|--|
| 1  | Draw the X and Y axes  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2  | Calibrate / graduate the X and Y axes                                  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3  | Locate the origin on the axes  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4  | Plot and join given points to form a graph                             | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5  | Use the graph to discover new information                              | <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 a triangle when provided with relevant information                | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9  | Use mathematical instruments to draw a rectangle of given measurements | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | Bisect an angle without using a protractor                             | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Work begun ☐ ☐ ☐ | Work in progress ☐ ☐ ☐ | Work completed ☐ ☐ ☐

# Graif, Tógálacha agus Claochluithe

## Matamaitic

Cód Ráitis uimhir: 7

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh beidh dalta ábalta:

Úsáid a bhaint as an eolas agus as na scileanna is gá chun graif agus claochluithe a tharraingt agus chun tógálacha bunúsacha a dhéanamh sa chéimseata

Dáta Tosaithe:

□□/□□/□□

Dáta Bronnta:

□□/□□/□□

### Spriocanna Foghlama atá le baint amach agat:

- Tarraing aiseanna X agus Y
- Calabraigh agus grádaigh aiseanna X agus Y
- Aimsigh bunphointe ar na haiseanna
- Breac pointí ar leith agus ceangail iad chun graph a chruthú
- Úsáid an graf chun eolas nua a fháil
- Tarraing íomhá de chruthanna ar leith faoi shiméadracht lárnach
- Tarraing íomhá de chruthanna ar leith faoi shiméadracht aiseach
- Tarraing triantán leis an eolas a cuireadh ar fáil duit
- Úsáid uirlis mhatamaiticiúil chun dronuilleog a tharraingt a bhfuil toisí ar leith aici
- Déoinn uillinn gan úsáid a bhaint as uillinntomhas

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Obair Tosaithe ☒☐☐

Obair idir Lámha ☒☒☐

Obair Críochnaithe ☒☒☒