

# 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