

# Knowledge and Application of Coordinate Geometry

## Maths

Statement code no. 18

Student:

Class:

At Junior Certificate level I can:

### Apply my knowledge of Coordinate Geometry

Date Commenced:

Date Awarded:

#### Learning Targets I can...

- |  |  |
|--|--|
| 1 Coordinate the plane in the first quadrant   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 Plot points on the coordinated plane   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 Give the coordinates of a point on the plane   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 Draw a straight line between two points using a ruler  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 Find the midpoint of this line and give its coordinates  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 Find the length of lines (horizontal and vertical)   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 Find the length of a sloping line by constructing a right-angled triangle on it and using Pythagoras's theorem | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 Identify the hypotenuse of a right-angled triangle   | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 Find the slope of a line by using a right-angled triangle and using $y/x$ (Counting boxes method)              | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 Identify whether a line has a positive or negative slope  | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

Work begun

☐ ☐ ☐

Work in progress

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Work completed

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