

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 ☐ ☐ ☐ | Work completed ☐ ☐ ☐

Eolas ar Chéimseata Chomhordanáideach agus ar Conas é cur i Bhfeidhm

Matamaitic

Cód Ráitis Uimhir 18

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh tá mé ábalta:

An t-eolas atá aige/aici ar chéimseata chomhordanáideach a chur i bhfeidhm

Dáta Tosaithe:

/

Dáta Bronnta:

/

Spriocanna Foghlama atá le baint amach agat:

1. Comhordanáidigh an plána sa chéad cheathrú.
2. Breac na póintí ar an bplána comhordanáidithe.
3. Tabhair comhordanáidí pointe ar an bplána.
4. Tarraing líne dhíreach idir dhá phointe ag úsáid rialóra.
5. Aimsigh lárphointe an líne seo agus tabhair na comhordanáidí.
6. Aimsigh fad na línte (cothrománach agus ceartingearach)
7. Aimsigh fad líne chlaonta trí thriantán dronuilleach a thógáil uirthi agus teoirim Phíotagaráis a úsáid.
8. Aithin taobhagán ar thriantán dronuilleach.
9. Aimsigh fána líne trí úsáid a bhaint as triantán dronuilleach agus ag úsáid y/x (an modh comhaireamh boscaí)
10. Aithin fána dhearfach nó diúltach a bheith ag líne

Obair Tosaithe

Obair idir lámha

Obair Críochnaithe