

Trigonometry

Maths

Statement Code no: 12

Student:

Class:

At Junior Certificate level the student can:

Use trigonometry to solve problems

Date Commenced: / /

Date Awarded: / /

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

- 1 Identify the hypotenuse, adjacent side and opposite side for a given angle in a right angled triangle ☐ ☐ ☐
- 2 Use the Theorem of Pythagoras to work out the third side in a right angled triangle when the other two sides are known ☐ ☐ ☐
- 3 Find the value of the sine of an angle in a right angled triangle ☐ ☐ ☐
- 4 Find the value of the cosine of an angle in a right angled triangle ☐ ☐ ☐
- 5 Find the value of the tangent of an angle in a right angled triangle ☐ ☐ ☐
- 6 Use a scientific calculator to find the sine, cosine and tangent of any integer value of an angle up to 90° ☐ ☐ ☐
- 7 Use a scientific calculator to find the value of an angle, and round it to the nearest degree, when given its sine, cosine or tangent value ☐ ☐ ☐
- 8 Calculate sides and angles in a right angled triangle ☐ ☐ ☐
- 9 Solve problems involving angles of elevation ☐ ☐ ☐
- 10 Solve problems involving angles of depression ☐ ☐ ☐

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

Triantánacht

Matamaitic

Cód Ráitis uimhir: 12

Dalta:

Rang:

Ag leibhéal an Teastais Shóisearaigh beidh dalta ábalta:

An triantánacht a úsáid chun fadhbanna a réiteach

Dáta Tosaithe:

□□/□□/□□

Dáta Bronnta:

□□/□□/□□

Spriocanna Foghlama atá le baint amach agat:

- | | |
|---|-----|
| 1 Aithin taobhagán, slios cóngarach agus slios urchomhaireach d'uillinn ar leith i dtriantán dronuilleach | □□□ |
| 2 Úsáid teoirim Phíotagaráis chun an tríú taobh de thriantán dronuilleach a oibriú amach nuair atá an dá thaobh eile ar eolas agat | □□□ |
| 3 Oibrigh amach luach an tsínis atá ar uillinn i dtriantán dronuilleach | □□□ |
| 4 Oibrigh amach luach an chomhshínis atá ar uillinn i dtriantán dronuilleach | □□□ |
| 5 Oibrigh amach luach an tangaint atá ar uillinn i dtriantán dronuilleach | □□□ |
| 6 Úsáid áireamhán eolaíochta chun síneas, comhshíneas agus tangaint ag aon luach slánuimhreach a fháil, suas go dtí 90° | □□□ |
| 7 Úsáid áireamhán eolaíochta, nuair a tugtar luachanna sínis, comhshínis agus tangaint duit, chun luach aon uillinne a fháil, agus slánaigh an toradh chuig an gcéim is gaire | □□□ |
| 8 Ríomh taobhanna agus uillinneacha i dtriantán dronuilleach | □□□ |
| 9 Réitigh fadhbanna a bhfuil baint acu le huillinneacha airde | □□□ |
| 10 Réitigh fadhbanna a bhfuil baint acu le huillinneacha íslithe | □□□ |

Obair Tosaithe ■□□

| Obair idir Lámha ■■□

| Obair Críochnaithe ■■■