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 ⬜⬜⬜