Knowledge and Application of Algebra

Maths

Statement Code no: 10

Student:

Class:

At Junior Certificate level the student can:

Apply the knowledge and skills necessary to perform specified operations in algebra

Date Commenced: ⬭⬭/⬭⬭/⬭⬭ **Date Awarded:** ⬭⬭/⬭⬭/⬭⬭

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

1 Understand and write simple equations ▢▢○

2 Understand and apply the concepts of x^2 and x^3 ▢▢○

3 Find the value of expressions requiring one substitution
eg. $3x + 2$ when $x = 4$
eg. $5x – 4$ when $x = 3$ ▢▢○

4 Find the value of expressions requiring two substitutions
eg. $5x – 3y$ when $x = 3$ and $y = 2$
eg. $3x + 2y$ when $x = 2$ and $y = 4$ ▢▢○

5 Simplify expressions eg. $4x + 6 + 4y + 7 + 2x – 3y$ ▢▢○

6 Simplify expressions containing a bracket eg. $3(x + 4) + 7$ ▢▢○

7 Simplify expressions containing two brackets eg. $3(x + 5) + 3(x – 4)$ ▢▢○

8 Solve basic equations eg. $x – 4 = 6$ eg $x + 3 = 7$ eg $3x = 15$ ▢▢○

9 Solve more challenging equations eg. $6x + 2 = 32$ ▢▢○

10 Solve equations containing a bracket eg. $6(x + 5) = 42$ ▢▢○

Work begun ⬭○○ | Work in progress ⬭⬭○ | Work completed ⬭⬭⬭