**Student Assessment Sheet – Simplifying and Substituting**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Objective** | **Before teaching** | | | | **Date of lesson/s** | **After teaching** | | | |
| **Limited** | **Developing** | **Secure** | **Extending** | **Limited** | **Developing** | **Secure** | **Extending** |
| Substitute numbers into a formula. |  |  |  |  |  |  |  |  |  |
| Simplify expressions |  |  |  |  |  |  |  |  |  |
| Expand single brackets. |  |  |  |  |  |  |  |  |  |
| Factorise single brackets. |  |  |  |  |  |  |  |  |  |
| Expand quadratics. |  |  |  |  |  |  |  |  |  |
| Factorise quadratics in the form ax² + bx + c = 0 where a = 1. |  |  |  |  |  |  |  |  |  |
| Recognise and factorise the difference of two squares. |  |  |  |  |  |  |  |  |  |
| Factorise quadratics in the form ax² + bx + c = 0 where a > 1. |  |  |  |  |  |  |  |  |  |
| Simplify algebraic fractions that involve factorising. |  |  |  |  |  |  |  |  |  |
| Expand products of more than two binomials. |  |  |  |  |  |  |  |  |  |
| Interpret the reverse process as the ‘inverse function’. |  |  |  |  |  |  |  |  |  |
| Interpret the succession of two functions as a ‘composite function’. |  |  |  |  |  |  |  |  |  |