**Simplifying and Substituting (F)**

Pre-Intervention Assessment

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Question** | **Objective** | **RAG** |
| 1 | Substitute into expressions |  |
| 2 | Collect like terms |  |
| 3 | Expand and factorise single brackets |  |
| 4 | Expand quadratics |  |
| 5 | Factorise quadratics |  |

**1.** h = 5t2 + 2

Work out the value of h when t = –2

 ...........................................................

**2.** (a) Simplify    *f* + *f* + *f* + *f* – *f*

…........................................................

(b) Simplify    2*m* × 3

…........................................................

(c) Simplify    3*a* + 2*h* + *a* + 3*h*

…........................................................

**3.** (a)   Factorise   3*x* + 6

...........................................................

(b)   Expand and simplify   5(*y* − 2) + 2(*y* − 3)

...........................................................

**4**. Expand and simplify (x + 4)(x + 6)

……………………………………

**5**. Factorise x ² - x - 20

……………………………………

[Glue here]