**Simplifying and Substituting (F)**

Pre-Intervention Assessment

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

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

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

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| **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

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

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 (b) Simplify    2*m* × 3

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

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

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

**3.** (a)   Factorise   3*x* + 6

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

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

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**5**. Factorise x ² - x - 20

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[Glue here]