**Simplifying and Substituting (F)**

Post-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.** P = 4k – 10

P = 50

Work out the value of k.

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**2.** (a)   Simplify     *d* + *d* + *d* + *d*

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(b)   Simplify     3 × *e* × *f*

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

(c)   Simplify     2*x* + 3*y* + 3*x* – *y*

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

**3**. (a) Factorise         4*x* + 10*y*

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(b) Factorise         *x*2 + 7*x*

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**4.** Expand and simplify (x + 5)(x + 9)

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**5**. Factorise x ² + 11x + 30

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[Glue here]