Content: Ch.1 More about Factorization of Polynomials

1. Factorize
    (a) $3x^2 + 11x + 6$,
    (b) $8y^2 + 2y - 15$.

    (Publisher EnhancedWS_3A01_02Be Q.2&5)

2. Factorize
    (a) $8a^2 - 6ab + b^2$,
    (b) $-6d^2 + 15c^2 + 13cd$.

    (Publisher EnhancedWS_3A01_02Ce Q.4&10)

3. (a) Factorize $5x^2 - 13x + 6$.
    (b) Hence, factorize $5(4a-1)^2 - 13(4a-1) + 6$.

    (Publisher EnhancedWS_3A01_03e Q.7)

4. (a) Factorize $6x^2 - 17x - 14$.

   (b) Hence, simplify $\dfrac{2}{3x+2} + \dfrac{5x+20}{6x^2-17x-14}$.

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   (Publisher EnhancedWS_3A01_03e Q.12)

5. Factorize

   (a) $6x^2 + xy - 2y^2$,

   (b) $8x - 4y - 6x^2 - xy + 2y^2$.

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   (DSE2021 P1 Q.3)

6. Factorize

   (a) $4m^2 - 9$,

   (b) $2m^2n + 7mn - 15n$,

   (c) $4m^2 - 9 - 2m^2n - 7mn + 15n$.

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   (DSE2019 P1 Q.4)

END OF ASSIGNMENT