Worksheet for Lesson 3(b)   Answers

Problem 1

    (a) $3u^3 - 22u^2 + 37u - 10$

    (b) $x^4 - 2x^3 - 7x^2 + 4x + 4$

Problem 2

    (a) $25x^2 - 16$

    (b) $9x^2 - 48x + 64$

    (c) $16x^2 + 24x + 9$

Problem 3

    (a) $-a^3 + 12a^2 - 48x + 64$

    (b) $c^4 - 50c^2 + 625$

    (c) $16g^4 - 32g^3 + 24g^2 - 8g + 1$

Problem 4

$$V = 6n^3 + 11n^2 - 46n + 24$$

Problem 5

$$V = 6n^3 + 23n^2 - 73n + 30$$

Problem 6

$$A = 8x^2 + 14x - 4$$

Problem 7

$$A = x^2 + \frac{9}{2}x + \frac{9}{2}$$

Problem 8

$$A = 5x^2 + 10x + 5$$