Section A: Place the letter that corresponds with the correct answer in the space provided to the right. Note that Shaded tiles are positive and unshaded tiles are negative. (10 marks)

- 1. Which of the following is a binomial?
 - a) -4y

b) $2x^2 - 5x + 3$

c) 3x2y

- d) 4x 3
- Determine the algebraic expression represented by the following set of tiles.



a) $2x^2 + 3x + 4$

b) $2x^2 - 3x - 4$

c) $2x^2 - 3x + 4$

- d) $-2x^2 3x 4$
- 3. What is the opposite of $-3x^2 4x$?

3.____

I.,

a) $-3x^2 + 4x$

b) $3x^2 + 4x$

c) $3x^{2} - 4x$

- d) $4x^2 + 3x$
- Simplify 3a² 4a 6 4a² + 7a 2.

1.

a) $7a^2 + 3a - 4$

b) $-7a^2 - 11a - 4$

c) $-a^2 + 3a - 8$

- d) $a^2 3a 8$
- 5. Subtract $(3x^2 + 3x 6)$ from (2x 5).

5.

a) $-3x^2 - x + 1$

b) $-3x^2 + 5x - 11$

c) $3x^2 + x - 1$

- d) $3x^2 + x 11$
- 6. Which polynomial represents the perimeter of the rectangle?



3a+4 2a-1

a) 10a + 6

b) 5a + 3

c) 12a+8

d) 6a² - 4

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