

## Algebraic Expressions Exit Quiz

**Part A: Multiple Choices: Instructions:** Choose the option that completes the sentence or answers the question.

1. If  $3x^2 - 7y + 6$  is subtracted from  $4x^2 - 3y + 4$ , the result is
  - a)  $7x^2 - 10y + 10$
  - b)  $x^2 - 10y - 2$
  - c)  $x^2 + 4y - 2$
  - d)  $-x^2 - 4y + 2$
  
2. The expression  $(4a + 2b) - (2a - 3b) - (a - b)$  when simplified is
  - a)  $6a + 6b$
  - b)  $a + 6b$
  - c)  $-2b$
  - d)  $6b$
  
3. The expression  $(5x + 6y) - (7x - 2y) + (x - 2y)$  when simplified is
  - a)  $-x + 6y$
  - b)  $x + 6y$
  - c)  $13x - 2y$
  - d)  $13x + 10y$
  
4. The expression  $(3x^2 + 5x - 12) - 2(x^2 + 4x + 9)$  is equivalent to which of the following:
  - a)  $x^2 - 3x - 30$
  - b)  $x^2 + 13x + 6$
  - c)  $5x^2 + x - 18$
  - d)  $x^2 + 3x - 21$

**Part B: Short Answer: Instructions:** Answer the question below.

1. Simplify the expression  $(5x^2 + 5x - 32) - 3(x^2 + 2x + 11)$

## Algebraic Expressions Exit Quiz

**Answers:****Part A: Multiple Choices: Instructions:** Choose the option that completes the sentence or answers the question.1. If  $3x^2 - 7y + 6$  is subtracted from  $4x^2 - 3y + 4$ , the result is

a)  $7x^2 - 10y + 10$

b)  $x^2 - 10y - 2$

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

d)  $-x^2 - 4y + 2$

2. The expression  $(4a + 2b) - (2a - 3b) - (a - b)$  when simplified is

a)  $6a + 6b$

b)  $a + 6b$

c)  $-2b$

d)  $6b$

3. The expression  $(5x + 6y) - (7x - 2y) + (x - 2y)$  when simplified is

a)  $-x + 6y$

b)  $x + 6y$

c)  $13x - 2y$

d)  $13x + 10y$

4. The expression  $(3x^2 + 5x - 12) - 2(x^2 + 4x + 9)$  is equivalent to which of the following:

a)  $x^2 - 3x - 30$

b)  $x^2 + 13x + 6$

c)  $5x^2 + x - 18$

d)  $x^2 + 3x - 21$

**Part B: Short Answer: Instructions:** Answer the question below.2. Simplify the expression  $(5x^2 + 5x - 32) - 3(x^2 + 2x + 11)$ 

$$5x^2 + 5x - 32 - 3x^2 - 6x - 33$$

$$2x^2 - x - 55$$