

Name: _____ Block: _____

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1. Simplify

$$3x + 6y - 11x + 3y$$

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$$3x + 6y - 11x + 3y$$

$$= 3x - 11x + 6y + 3y$$

$$= -8x + 9y$$

2. Subtract

$$(8x^2 + 6x - 4) - (3x^2 + 5x - 1)$$

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$$(8x^2 + 6x - 4) - (3x^2 + 5x - 1)$$

$$= 8x^2 + 6x - 4 - 3x^2 - 5x + 1$$

$$= 5x^2 + x - 3$$

3. Multiply (2 marks)

$$(x - 5)(2x^2 - 3x + 1)$$

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$$(x - 5)(2x^2 - 3x + 1)$$

$$= 2x^3 - 3x^2 + x - 10x^2 + 15x - 5$$

$$= 2x^3 - 13x^2 + 16x - 5$$