

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Perform the indicated operations:

(a) $(7 - 2x - x^2) - (x^2 - 5x + 6)$

(b) $(3x^2 - 5x)(2x^2 + 6x)$

2. (a) Complete the formulas:

$$(x - y)^2 =$$

$$(x + y)(x - y) =$$

- (b) Use, whichever formulas are appropriate to expand the square $(2x - 5y)^2$.