Name: _____

Putting It Together Problem Set

Hour: ____

Instructions: Rewrite each expression as a polynomial in standard form.

1. $(2x^2 - x^3 - 9x + 1) - (x^3 + 7x - 3x^2 + 1)$

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

3. $\frac{x^4 - 3x^3 - 6x^2 + 9x + 27}{x - 3}$

4. $(x + 3)(x - 3) - (x + 4)(x - 4)$

5. $(x + 3)^2 - (x + 4)^2$

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