MATD 0370 - Elementary Algebra
Name
Written Homework 7 - Show all work to receive credit.

## Subtracting Polynomials (Section 4.4)

1) Subtract and simplify. $\left(-2 x^{3}-3 x^{2}+4 x+2\right)-\left(-x^{3}+6 x^{2}-7 x-11\right)$

## Multiplying Polynomials (Sections 4.4-4.7)

Multiply and simplify. Show your steps.
2) $(5 x-6)(2 x+8)$
3) $(3 y-4)^{2}$
4) $(2 m+7 y)(2 m-7 y)$
5) $\left(5 x^{2}-x y-y^{2}\right)(2 x+3 y)$

