

HW #2: Multiplying Polynomials**Find each product.**

1) $(x - 5)(x^2 + 6)(3x^2 + 7)$

2) $(5x - 1)(x^2 + 9)(5x^2 + 3)$

3) $(-8u - 5v)(2u - 5v)$

4) $(4u + 4v)(-5u - 2v)$

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

6) $(2b^2 + 5b + 6)(6b^2 + 4b + 5)$

$$7) (3p + 8)(4p^2 - 3p + 6)$$

$$8) (m + 5)(7m^2 + 4m - 7)$$

$$9) (5r + 1)(5r + 2)$$

$$10) (5n + 4)(6n + 5)$$

$$11) (n - 1)^2$$

$$12) (8 + 7n)(8 - 7n)$$

$$13) (7 + 3v)^2$$

$$14) (8a + 6)(8a - 6)$$