

## 9.2/9.3 Worksheet

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find each product.**

1)  $(5k - 3)(6k - 5)$

2)  $(m - 5)(3m - 1)$

3)  $(5x - 4)(2x + 8)$

4)  $(3k + 6)(4k + 2)$

5)  $(5x + 7y)(7x + 2y)$

6)  $(a - 5b)(8a + 7b)$

7)  $(7m^2 - 7m - 8)(6m - 1)$

8)  $(2x^2 - 5x - 5)(3x + 2)$

**Simplify each expression.**

9)  $(m^4 + 5m^3 - 2) + (3 - 6m^4 - 6m^2)$

10)  $(4n^4 - 1 - 6n^3) - (2n^2 - 3n^3 - 3)$

Name each polynomial by degree and number of terms.

11)  $-10k^6 - k^3 + 6k$

12)  $-1$

**Pre-Learning: List out the factors for each number. The first one has been started for you.**

13) 36

14) 72

36 X 1

18 X 2

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15) 105

16) 90