

Name: \_\_\_\_\_ Show work needed to justify your answer. Date: \_\_\_\_\_

**HW # 58a:** Algebra 1 - Standard 37 - Multiply Polynomials

5 points

**Find each product.**

**18.**  $(2y - 11)(y^2 - 3y + 2)$

**19.**  $(4a + 7)(9a^2 + 2a - 7)$

**20.**  $(m^2 - 5m + 4)(m^2 + 7m - 3)$

**21.**  $(x^2 + 5x - 1)(5x^2 - 6x + 1)$

**22.**  $(3b^3 - 4b - 7)(2b^2 - b - 9)$

**23.**  $(6z^2 - 5z - 2)(3z^3 - 2z - 4)$

**Simplify.**

**48.**  $(m + 2)[(m^2 + 3m - 6) + (m^2 - 2m + 4)]$

**49.**  $[(t^2 + 3t - 8) - (t^2 - 2t + 6)](t - 4)$