

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

**HW # 57a:** Algebra 1 - Standard 37 - Multiply Polynomials by a Monomial

5 points

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**Solve each equation.**

**17.**  $7(t^2 + 5t - 9) + t = t(7t - 2) + 13$

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**18.**  $w(4w + 6) + 2w = 2(2w^2 + 7w - 3)$

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**19.**  $5(4z + 6) - 2(z - 4) = 7z(z + 4) - z(7z - 2) - 48$

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**Solve each equation.**

**20.**  $9c(c - 11) + 10(5c - 3) = 3c(c + 5) + c(6c - 3) - 30$

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**21.**  $2f(5f - 2) - 10(f^2 - 3f + 6) = -8f(f + 4) + 4(2f^2 - 7f)$

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**22.**  $2k(-3k + 4) + 6(k^2 + 10) = k(4k + 8) - 2k(2k + 5)$