

NAME _____

DATE _____

Module 11 Simplifying Algebraic Expressions
with Polynomials**Lesson 4** Multiplying Monomials and Binomials**additional
practice**

Find the product of each expression and simplify.

1. $(3m^2)(-6m^4)$

2. $2a \cdot a^3$

3. $(-\frac{2}{5}x^3)(-10x)$

4. $(-5st^3)(-6s^3t)$

5. $ab \cdot a^3b$

6. $x(x - 1)$

7. $2w(3w - 6)$

8. $-5b^5(2b^2 - 3b)$

9. $x^2y(3xy - 4x^3y^2)$

10. $-6m^3n^2(3mn^3 + 2m^2n^2)$

11. $4x^2y^2(6xy - 2x)$

12. $-\frac{3}{4}s^2t^4(12 - 8st)$

13. $(b - 7)(b + 3)$

14. $(t + 10)(t - 5)$

15. $(q - 7)(q + 2)$

16. $(x - 6)(x + 10)$

17. $(x - 5)(x + 5)$

18. $(r + 2)(r - 2)$

19. $(k + 6)^2$

20. $(r + 4)^2$

21. $(w - 8)^2$

22. $(b - 12)^2$

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