

Name: _____ Date: _____ Period: _____

Multiplying Monomials

8.1 Practice 2

Simplify.

1. $y(y^5)$

2. $n^2 \cdot n^7$

3. $(-7x^2)(x^4)$

4. $x(x^2)(x^4)$

5. $m \cdot m^5$

6. $(-x^3)(-x^4)$

7. $(2a^2)(8a)$

8. $(rs)(rs^3)(s^2)$

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

10. $\frac{1}{3}(2a^3b)(6b^3)$

11. $(-4x^3)(-5x^7)$

12. $(-3j^2k^4)(2jk^6)$

13. $(10x^3yz^2)(-2xy^5z)$

14. $(-5xyz)(4x^2)(y^4)$

15. $(5a^2bc^3)(\frac{1}{5}abc^4)$

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Multiplying Monomials
Worksheet 456

1. $(y^5)^2$

2. $(n^7)^4$

3. $(x^2)^5(x^3)$

4. $-3(ab^4)^3$

5. $(-3ab^4)^3$

6. $(4x^2b)^3$

7. $(4a^2)^2(b^3)$

8. $(4x)^2(b^3)$

9. $(x^2y^4)^5$

10. $(-3j^2k^3)^2(2j^2k)^3$

11. $(-4xy)^3(-2x^2)^3$

12. $(2a^3b^2)(b^3)^2$

13. $(25a^2b)^3(\frac{1}{5}abc)^2$

14. $(2xy)(-2x^2)(4y^4)$

15. $(2x^3y^2z^2)^3(x^2)^4$

16. $(-2n^6y^5)(-6n^3y^2)(ny)^3$

17. $(-3a^3n^4)(-3a^3n)^4$

18. $-3(2x)^4(4x^5y)^2$