

Name: _____ Date: _____ Period: _____

Multiplying Monomials

8.1 Practice 1

Simplify.

1. $a^2(a^3)(a^6)$

2. $x(x^2)(x^7)$

3. $(y^2z)(yz^2)$

4. $(l^2k^2)(l^3k)$

5. $(e^2f^4)(e^2f^2)$

6. $(cd^2)(c^3d^2)$

7. $(2x^2)(3x^5)$

8. $(5a^7)(4a^2)$

9. $(4xy^3)(3x^3y^5)$

10. $(7a^5b^2)(a^2b^3)$

11. $(-5m^3)(3m^8)$

12. $(-2c^4d)(-4cd)$

13. $(10^2)^3$

14. $(p^3)^{12}$

15. $(-6p)^2$

16. $(-3y)^3$

17. $(3pq^2)^2$

18. $(2b^3c^4)^2$

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Multiplying Monomials
Worksheet 458

Simplify.

1. $(-5x^2y)(3x^4)$

2. $(2ab^2c^2)(4a^3b^2c^2)$

3. $(3cd^4)(-2c^2)$

4. $(4g^3h)(-2g^5)$

5. $(-15xy^4)\left(-\frac{1}{3}xy^3\right)$

6. $(-18m^2n)^2\left(-\frac{1}{6}mn^2\right)$

7. $\left(\frac{2}{3}p\right)^2$

8. $\left(\frac{1}{4}cd^3\right)^2$

9. $(0.4k^3)^3$

10. $[(4^2)^2]^2$

11. $(0.2a^2b^3)^2$

12. $(-xy)^3(xz)$