

8-1 Multiplying Variables

Name: _____

Time> Start: _____ Finish: _____ Total Time = _____

Simplify each of the expressions. Write out what each question means before trying to multiply them or at least think that way in your head.

_____ 1. $n^4 \bullet n^5$

_____ 2. $2n^2 \bullet 3n^5$

_____ 3. $a^3 \bullet n^4 \bullet n^5 \bullet a^2$

_____ 4. $2n^4 \bullet -4n^5$

_____ 5. $-2n^4 \bullet -3n^2$

_____ 6. $(4n^2y^3)(3n^5y)$

_____ 7. $n^2 \bullet n^3 \bullet n^2$

_____ 8. $n^4 \bullet n^5 \bullet n^4 \bullet n^5$

_____ 9. $n^2 \bullet n^5$

_____ 10. $5n^4 \bullet 3n^5$

_____ 11. $a^3 \bullet n \bullet n^5 \bullet a$

_____ 12. $2n \bullet -4n^5$

_____ 13. $-2n^{10} \bullet -8n^2$

_____ 14. $(4n^3y^3)(3n^6y^3)$

_____ 15. $n^2 \bullet n^9 \bullet n^9$

_____ 16. $n^4 \bullet n \bullet n \bullet n^4$

_____ 17. $n^{12} \bullet n^3 \bullet n^3$

_____ 18. $n^{20} \bullet n \bullet n \bullet n^{50}$