NAME _____ DATE _____ PERIOD _____

8-1, 8-2

Skills Practice

Dividing Monomials & Multiplying Monomials.

FILL THIS OUT, PUT THIS WORKSHEET ON TOP

Simplify. Assume that no denominator is equal to zero.

1. $\frac{6^5}{6^4}$

2. $\frac{9^{12}}{9^8}$

3. $\frac{x^4}{x^2}$

4. $\frac{r^3s^2}{r^3s^4}$

5. $\frac{m}{m^3}$

6. $\frac{9d^7}{3d^6}$

7. $\frac{12n^5}{36n}$

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

9. $\frac{a^3b^5}{ab^2}$

10. $(\ell^2k^2)(\ell^3k)$

11. $\frac{-21w^5u^2}{7w^4u^5}$

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

13. $\left(\frac{4p^7}{7s^2}\right)^2$

14. $(5a^7)(4a^2)$

15. 8^{-2}

16. $(7a^5b^2)(a^2b^3)$

17. $\left(\frac{9}{11}\right)^{-1}$

18. $(-2c^4d)(-4cd)$

19. $k^0(k^4)(k^{-6})$

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

21. $\frac{f^{-7}}{f^4}$

22. $(-3y)^3$

23. $\frac{f^{-5}g^4}{h^{-2}}$

24. $(2b^3c^4)^2$

25. $\frac{-15w^0u^{-1}}{5u^3}$

Look All work on looseleaf!

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Tip: use your "Exponent Rules" Handout.