NAME _____ DATE _____ PERIOD _____

Lesson 3 Extra Practice

Multiplying and Dividing Monomials

Find each product or quotient. Express using positive exponents.

1. $12^3 \cdot 12^8$

2. $(-2)^2(-2)^6$

3. $6^{-6} \cdot 6^2$

4. $5^{-9} \cdot 5^{-10}$

5. $r^4 \cdot r^2$

6. $x \cdot x^{-9}$

7. $y^{-3} \cdot y^{-6}$

8. $(4k^4)(-3k^3)$

9. $(3x^{-5})(-6x^3)$

10. $\frac{2^9}{2^3}$

11. $\frac{4^7}{4^6}$

12. $\frac{10^3}{10^8}$

13. $\frac{b^{18}}{b^6}$

14. $\frac{6m^8}{3m^2}$

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

16. $\frac{c^{10}}{c^{-3}}$

17. $n^{-3} \div n^{-4}$

18. $(-2.3)^4 \div (-2.3)^{-4}$