Name:_____ Period_____

Practice 1.5

Simplify each expression. Write your answer using a negative exponent.

9 $7^3 \cdot 7^{-4}$

10 $\frac{(-5)^{-2}}{(-5)^3}$

11 $\left(\frac{3}{4}\right) \div \left[\left(\frac{3}{4}\right)^0 \cdot \left(\frac{3}{4}\right)^2\right]$

12 $\left(\frac{2}{5}\right)^{-4} \cdot \left(\frac{2}{5}\right)^{-1} \div \left(\frac{2}{5}\right)^{-3}$

13 $\frac{x^0}{x^2 \cdot x^3}$

14 $\frac{4h^{-5} \cdot 6h^{-2}}{3h^{-3}}$

Simplify each expression. Write your answer using a positive exponent.

16 $5.2^{-3} \div 2.6^{-3}$

17 $\frac{(-3)^{-4}}{(-3)^2}$

18 $\left(\frac{5}{6}\right)^{-4} \cdot \left(\frac{5}{6}\right)^{-2} \div \left(\frac{5}{6}\right)^{-3}$

19 $\frac{9k^{-1} \cdot 2k^{-3}}{27k^{-6}}$

20 $\frac{c^{-4} \cdot c^{12}}{c^{-7}}$