

Algebra 0507**Chapter 8****WS # 4****Name**_____**Simplify. Assume that the denominator does not equal zero.**

1. $\frac{n^5}{n^2}$	2. $\frac{-y^9}{y}$
3. $\frac{4x^7}{2x^3}$	4. $\frac{x^3}{x^3}$
5. $\frac{y^6}{y^5}$	6. $\frac{-9n^9}{3n^6}$
7. $\frac{x^2y^5}{xy^2}$	8. $\frac{-10m^4n^5}{-5m^2n^4}$
9. $\frac{-8x^7y^3}{2x^2y^2}$	10. $\frac{18m^8n^5}{-3m^6n^3}$

11.	$\left(\frac{4p^7}{7s^2}\right)^2$	12.	$\left(\frac{16p^5q^2}{2pq}\right)^0$
13.	$\left(\frac{-3xy^5}{6xy^2}\right)^2$	14.	$\left(\frac{-x^7y^2}{z}\right)^5$
15.	$\left(\frac{-1}{2}\right)^4$	16.	$\left(\frac{5mn}{2mn}\right)^2$
17.	$\left(\frac{-x^3y^4}{2xy}\right)^3$	18.	$\left(\frac{-3xyz}{2}\right)^2$
19.	$\left(\frac{4r^5s^3t}{-2rst}\right)^2$	20.	$\left(\frac{3x^3y^3}{2x^3y}\right)^3$