

Name _____

Dividing Exponents

Simplify each expression, and write the answer in only positive exponents.

1) $\frac{3^{-6}}{3}$ $= 3^{-7} = \frac{1}{3^7}$	2) $\frac{7^5}{7}$ $= 7^4$	3) $\frac{7d^{-5}}{8d^5g^{-3}}$ $= \frac{7g^3}{8d^{10}}$
4) $\frac{5^5}{5^2}$ $= 5^3$	5) $\frac{7^3}{7^{-3}}$ $= 7^6$	6) $\frac{5dg^{-3}}{8d^{-4}g^3}$ $= \frac{5d^5}{8g^6}$
7) $\frac{6d}{5d^{-2}}$ $= \frac{6d^3}{5}$	8) $\frac{7s^6}{2s^3r^4}$ $= \frac{7s^3}{2r^4}$	9) $\frac{h^4}{h^{-4}}$ $= h^8$
10) $\frac{9h^6}{4h^4}$ $= \frac{9h^2}{4}$	11) $\frac{2y}{4y^5}$ $= \frac{1}{2y^4}$	12) $\frac{9g^2}{5g}$ $= \frac{9g}{5}$