

Name _____

Dividing Exponents

Simplify each expression

1) $\frac{14^4}{7^4}$ $2^4 = 16$	2) $\frac{12^3}{2^3}$ $6^3 = 216$	3) $\frac{25^4}{5^4}$ $5^4 = 625$
4) $\frac{16^5}{4^5}$ $4^5 = 1024$	5) $\frac{15^6}{5^6}$ $3^6 = 729$	6) $\frac{45^2}{3^2}$ $15^2 = 225$
7) $\frac{22^7}{11^7}$ $2^7 = 128$	8) $\frac{28^2}{4^2}$ $7^2 = 49$	9) $\frac{12^3}{3^3}$ $4^3 = 64$
10) $\frac{27^6}{9^6}$ $3^6 = 729$	11) $\frac{35^5}{7^5}$ $5^5 = 3125$	12) $\frac{48^4}{8^4}$ $6^4 = 1296$