



Name

Score

Solve and show all steps.

$$\left(\frac{a^m}{b^n}\right)^c$$

$$\left(\frac{x^5}{y^2}\right)^3$$

$$\left(\frac{2x^3}{3y^5}\right)^2$$

$$\left(\frac{3x^3y^5}{z^4}\right)^2$$

$$\left(-\frac{5m^4}{3n^7}\right)^2$$

$$\left(\frac{7m^4}{3n^{-7}}\right)^{-1}$$

$$\left(\frac{2m^4}{3n^7}\right)^2$$

$$\left(\frac{2m^4}{3n^7}\right)^{-2}$$

$$\left(\frac{2m^{-4}o}{-3n^7}\right)^2$$

$$\left(\frac{-2m^{-4}o^{-5}}{5n^7o^3}\right)^3$$



Solve and show all steps.

$$\frac{a^{cm}}{b^{cn}}$$

$$\frac{x^{15}}{y^6}$$

$$\frac{4x^6}{9y^{10}}$$

$$\frac{9x^6y^{10}}{z^8}$$

$$\frac{25m^2o^8}{9n^{14}}$$

$$\frac{9}{7m^4n^7}$$

$$\frac{4m^8}{9m^{14}}$$

$$\frac{9n^{14}}{2m^8}$$

$$\frac{4o^2}{9n^{14}m^8}$$

$$-\frac{8}{125m^{12}n^{21}o^{24}}$$