

Alg 2 Fri 8-24-12

$$\textcircled{2} -x' \cdot x^2 = \boxed{x^3}$$

$$\textcircled{4} -3x^4y^2 \cdot -2x^4 \cdot -3x^2y^2$$

FINAL

$$\boxed{-18x^{10}y^4}$$

$$\textcircled{10} \frac{4v^4}{v'u^2} = \boxed{\frac{4v^3}{u^2}}$$

$$\left(-\frac{a}{b} = \frac{-a}{b} = \cancel{\frac{a}{-b}} \right)$$

$$\textcircled{12} \frac{3vu^2}{-3uv^4} = \boxed{-\frac{u}{v^3}}$$

$$\textcircled{18} (-x^2y^2)^4 = + \boxed{x^8y^8}$$

$$\textcircled{20} (m^4N^3)^4 = \boxed{m^{16}N^{12}}$$

FINAL -

(24)

$$\frac{x y^2 \cdot -x y^4 \cdot -2}{(2x^{-2} y^{-2})^3}$$

$$= \frac{-x^5}{8x^{-6}y^{-6}}$$

$$= \boxed{-\frac{x^{11}y^6}{8}}$$

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

(26)

$$- \frac{x^{-3} \cdot x y^2}{(y^{-3})^{-2}}$$

$$= - \frac{x^{-2} y^2}{y^6}$$

$$= \boxed{-\frac{1}{x^2 y^4}}$$

$$\frac{y^2}{y^6} = y^{-4} = \frac{1}{y^4}$$

$$(30) \left[\frac{2xy}{(x^3y^2 \cdot 2x^2y^3)^4} \right]^3$$

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

$$\left[\frac{2xy}{16x^{20}y^{20}} \right]^3$$

$$\left[\frac{1}{8x^{19}y^{19}} \right]^3$$

$$\frac{1}{512x^{57}y^{57}}$$