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Tarea 2

① $\frac{y^7}{y^3} = y^4$

② $\left(\frac{-5v}{v^3}\right)^3 = \frac{-125v^3}{v^9}$

③ $\frac{x^{-4}}{x^{-2}} = x^{-2} = \frac{1}{x^2}$

④ $4m^{-4} = \frac{4}{m^4}$

⑤ $(2v^8 w^8 y v^{-8})(3y^8)(9w^{-2}) =$

$54 v^0 w^6 y^9 = 54 w^6 y^9$

⑥ $\left(\frac{5x^{-3}y^{-1}z^{-7}}{10x^{-5}y^{-2}z}\right)^{-1} = \frac{1}{\left(\frac{5x^{-3}y^{-1}z^{-7}}{10x^{-5}y^{-2}z}\right)} =$

$\frac{x^2 y z^{-8}}{2} = \frac{2z^8}{x^2 y}$

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⑦ $\frac{5^2}{-4} = -\frac{25}{4}$

$-\left(\frac{2}{3}\right)^3 = -\left(\frac{8}{27}\right)$

⑧ $(-3w^5x^{-6})^2 = 9w^{10}x^{-12} = \frac{9w^{10}}{x^{12}}$

⑨ $9^{-2} = \frac{1}{9^2} = \frac{1}{81}$

⑩ $\frac{4x^9y^5z^{-4}}{20x^{-6}y^{-3}} = \frac{x^{15}y^8}{5z^4}$

⑪ $(-3x^3y^2z)^4(y^3z^3) =$

$(81x^{12}y^8z^4)(y^3z^3) = 81x^{12}y^{11}z^7$

⑫ $-(6)^0 = -1$

$\left(\frac{3}{5}\right)^0 = 1$