

Simplify the expression, as a positive rational exponent.

1.) $\frac{x^2}{x^5}$

2.) $\frac{x^{-2}}{x^{-3}}$

3.) $\frac{x^2}{x^{-9}}$

4.) $\frac{x^{-1}y}{x y^{-2}}$

5.) $(x^2 y^5)^{-1}$

6.) $(3x^5)^{-2}$

7.) $\frac{x^{11}y^{10}}{x^{-3}y^{-1}}$

8.) $\frac{2}{x^{-3}}$

Simplify the expression, as a positive rational exponent.

9.) $x^{\frac{1}{4}}$

10.) $\frac{1}{x^{-\frac{1}{3}}}$

11.) $\frac{2x^2y}{6xy^{-1}}$

12.) $\frac{xy^{10}}{3x^5y^{-2}}$

13.) $\frac{x^{\frac{1}{4}}y^2}{xy^{\frac{1}{2}}}$

14.) $\frac{10xy}{5x^{\frac{2}{5}}y^4}$