

$$\frac{\frac{x}{y} \cdot \frac{2}{3}}{\frac{2}{3}} = \frac{2x}{3y}$$

$$\frac{3x}{2y} = \frac{3x}{2} \cdot \frac{1}{y}$$

$$(x^2)^3 = x^{2 \cdot 3} = x^6$$

$$x^2 \cdot x^3 = x^{2+3} = x^5$$

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

$$= \frac{\cancel{x} \cdot \cancel{x} \cdot (x)}{\cancel{x} \cdot \cancel{x}}$$

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

$$\frac{x^2}{x^3} = \frac{\cancel{x} \cdot \cancel{x}}{\cancel{x} \cdot \cancel{x} \cdot x} = \frac{1}{x}$$

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

$$\frac{5 \cancel{x^3}}{\cancel{x^3} 4} = \frac{5}{x^4}$$

$$\left(\frac{t^3}{-3}\right)^2 = \frac{t^6}{9}$$

$$\frac{24 \cancel{s^3} \cancel{t^3}}{3 \cancel{2} \cancel{t^2}} = \frac{3 s^3}{4 t^2}$$

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

$$\frac{5 \cancel{x} \cdot \cancel{8} y^{\cancel{2}}}{\cancel{4} \cdot x^{\cancel{5}}} = \frac{10 y}{x^5}$$

$$\frac{9x^3y^2}{3x^2y^5}$$

$$\frac{3c^4}{2d^2} \cdot \frac{d^5}{6c^2}$$

$$\frac{4x}{3y^7} \left(\frac{y^4}{2x^3} \right)^3$$