

Name: _____

Dividing Monomials with Negative Exponents

Divide.

$$1 \quad \frac{x^{-3}y^2}{x^3y^{-7}} =$$

$$2 \quad \frac{(2m^{-4})^3}{(2m^{-5}n)^3} =$$

$$3 \quad \frac{g^0h^0j^2}{j^3} =$$

$$4 \quad \frac{(a)^3b^{-5}c^{-6}}{a^7(bc^{-2})^2} =$$

$$5 \quad \frac{7s^8t^{-6}}{s^{-10}t^{-8}} =$$

$$6 \quad \frac{20x^7y^8}{5x^{12}y^{11}} =$$

$$7 \quad \frac{f^{-2}k^2}{fk} =$$

$$8 \quad \frac{x^{-7}}{3x^5} =$$

$$9 \quad \frac{17c^2}{d^4} =$$

$$10 \quad \frac{p^2q^4r^8}{2p^5r^0q^2} =$$

$$11 \quad \frac{m^3n^3}{m^0n^1} =$$

$$12 \quad \frac{g^{-1}h^0}{(g^3)^{-2}} =$$

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Dividing Monomials with Negative Exponents

Answers

$$1 \quad \frac{x^{-3}y^2}{x^3y^{-7}} = x^{-6}y^9$$

$$2 \quad \frac{(2m^{-4})^3}{(2m^{-5}n)^3} = m^3n^{-3}$$

$$3 \quad \frac{g^0h^0j^2}{j^3} = j^{-1}$$

$$4 \quad \frac{(a)^3b^{-5}c^{-6}}{a^7(bc^{-2})^2} = a^{-4}b^{-7}c^{-2}$$

$$5 \quad \frac{7s^8t^{-6}}{s^{-10}t^{-8}} = 7s^{18}t^2$$

$$6 \quad \frac{20x^7y^8}{5x^{12}y^{11}} = 4x^{-5}y^{-3}$$

$$7 \quad \frac{f^{-2}k^2}{fk} = f^{-3}k$$

$$8 \quad \frac{x^{-7}}{3x^5} = \frac{1}{3}x^{-12}$$

$$9 \quad \frac{17c^2}{d^4} = 17c^2d^{-4}$$

$$10 \quad \frac{p^2q^4r^8}{2p^5r^0q^2} = \frac{1}{2}p^{-3}q^2r^8$$

$$11 \quad \frac{m^3n^3}{m^0n^1} = m^3n^2$$

$$12 \quad \frac{g^{-1}h^0}{(g^3)^{-2}} = g^5$$