

Dividing Monomials

Simplify. Your answer should contain only positive exponents.

1)
$$\frac{6k^6}{-8k^4}$$
$$-\frac{3k^2}{4}$$

2)
$$\frac{5p^5}{-8p^6}$$
$$-\frac{5}{8p}$$

3)
$$\frac{7n^3}{35n^3}$$
$$\frac{1}{5}$$

4)
$$\frac{6x^0}{7x}$$
$$-\frac{6}{7x}$$

5)
$$\frac{2p^{-8}}{p}$$
$$-\frac{2}{p^9}$$

6)
$$\frac{4n^2}{8n^0}$$
$$-\frac{n^2}{2}$$

7)
$$\frac{6x^3y^{-8}}{3x^7y^{-4}}$$
$$-\frac{2}{y^4x^4}$$

8)
$$\frac{7u^{-5}v^6}{-v^7}$$
$$-\frac{7}{u^5v}$$

$$9) \frac{6x^0 y^3}{7x^{-3} y^{-6}}$$

$$\frac{6x^3 y^9}{7}$$

$$10) -\frac{4a^0 b^3}{6a^8 b^8}$$

$$-\frac{2}{3a^8 b^5}$$

$$11) \frac{-2y^6 z^0}{-8xy^{-7} z^{10}}$$

$$\frac{y^{13}}{4xz^{10}}$$

$$12) -\frac{8x^{-10} y^{10} z^{-2}}{10zx^5}$$

$$-\frac{4y^{10}}{5x^{15} z^3}$$

$$13) -\frac{m^0 n^0 p^3}{(m^4 n^2 p^3)^3}$$

$$-\frac{1}{m^{12} n^6 p^6}$$

$$14) \left(\frac{p^{-4} q^3 r^{-1}}{2p^2 r^{-1}} \right)^3$$

$$\frac{q^9}{8p^{18}}$$

$$15) \frac{xzy^{-4}}{(-2x)^0}$$

$$\frac{xz}{y^4}$$

$$16) \frac{(x^0 y^{-4} z^3)^2}{-x^3 y^4}$$

$$-\frac{z^6}{y^{12} x^3}$$

$$17) -\frac{x^{-4} y^{-4} z^4}{(2zx^3)^2}$$

$$-\frac{z^2}{4x^{10} y^4}$$

$$18) \frac{(2x^{-1} y^4 z^{-1})^{-3}}{2zx^2}$$

$$\frac{xz^2}{16y^{12}}$$