$$a^{-1} = \frac{1}{a^{+}}$$
 ; $a^{-1} = 1$

a.
$$\left(\frac{3}{2}\right)^{-2} = \left(\frac{2}{3}\right)^{2} = \frac{4}{9}$$

b.
$$\left(\frac{3^{-2}}{2}\right) = \frac{1}{2^2} = \frac{1}{8}$$

c.
$$\frac{\binom{3}{2}}{\binom{2}{2-2}} = \frac{2 \cdot 3^2}{2 \cdot 3^2} = 3 \cdot 2^2 = N2$$

d.
$$\left(\bigcirc_{\frac{1}{2}}^{\frac{1}{2}} \right)^{\frac{1}{2}} = -2$$

e.
$$0.2^{-5}$$
 = 5^{-5}

počítajte za predpokľadu, že
$$x, y, z$$
 sú nenulové

a. $(2x^3y^{-4}z^{-2}) \cdot (3x^{-3}y^6z^{-3}) = 2x^3 \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} = \frac{2x^3 \cdot 3}{3^4 \cdot 2^5 \cdot 2} = \frac{6x^3}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} = \frac{2x^3 \cdot 3}{3^4 \cdot 2^5 \cdot 2^5} = \frac{6x^3}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2} = \frac{2x^3}{3^4} \cdot \frac{3}{3^4} \cdot \frac{\Lambda}{2} \cdot \frac{\Lambda}{2}$

b.
$$(3a^{-2}b^3)$$

c.
$$(3a^{-4}b^5)^{-3}$$

$$= \frac{\lambda}{3a^{-2}b^3} = \frac{\lambda^2}{3b^3} = \frac{5^{-1}b^3}{3b^3} = \frac{5^{-1}b^3$$

1. Vypočítajte

a.
$$(\frac{3}{2})^{-2} = (\frac{2}{3})^{3} = \frac{1}{4}$$

b. $(\frac{3^{2}}{2^{2}})^{2} = (\frac{2}{3})^{3} = \frac{1}{4}$

c. $(\frac{3}{2^{-2}})^{-3} = (\frac{3}{3})^{-5} = \frac{5}{3} = \frac{1}{3}$

e. $(0,2^{-5})^{-5} = (\frac{3}{3})^{-5} = \frac{5}{3} = \frac{1}{3}$

2. Vypočítajte za predpokladu, že x, y, z sú nenulové

a. $(2x^{3}y^{-4}z^{-2}) \cdot (3x^{-3}y^{6}z^{-3}) = 2x^{3} \cdot \frac{1}{2} \cdot$

e.
$$\left(\frac{3x^{-2}}{2y^3}\right)^{-3}$$
: $\frac{2x^3}{y^{-4}}$

e.
$$\left(\frac{3x^2}{2y^3}\right) : \frac{2x^3}{y^{-4}}$$

f. $\left(\frac{2m^{-2}n^6}{3m^4n^{-2}}\right)^{\frac{1}{2}} = \left(\frac{3m^4m^2}{2m^4m^6}\right)^{\frac{1}{2}} = \frac{3^2 \cdot m^3 \cdot m^4}{2^2 \cdot m^4m^2} = \frac{9}{4} \cdot m^2 \cdot m^2$

$$\left(2x^{-7}v^3\right)^{-2}$$

g.
$$\left(\frac{2x^{-7}y^3}{3x^3y^{-2}}\right)^{-2}$$

h.
$$\frac{16x^{7}y^{-3}}{z^{-2}} : \left(\frac{2^{-1}y^{5}}{x^{4}z^{-3}}\right)^{-3} = \frac{2^{\frac{1}{4}} \cdot \overline{x}^{\frac{7}{4}}}{y^{\frac{3}{4}}} : \left(\frac{x^{\frac{1}{4}}z^{-\frac{3}{4}}}{z^{-\frac{1}{4}}y^{\frac{5}{4}}}\right) = \frac{2^{\frac{1}{4}} \cdot \overline{x}^{\frac{7}{4}}z^{\frac{7}{4}}}{y^{\frac{3}{4}}} : \frac{x^{\frac{12}{4}} \cdot 2^{\frac{3}{4}}}{z^{\frac{3}{4}}y^{\frac{15}{4}}} = \frac{2^{\frac{14}{4}} \cdot \overline{x}^{\frac{7}{4}}z^{\frac{7}{4}}}{z^{\frac{7}{4}}z^{\frac{7}{4}}} : \frac{z^{\frac{3}{4}}z^{\frac{7}{4}}}{z^{\frac{3}{4}}z^{\frac{7}{4}}} = \frac{2^{\frac{14}{4}}z^{\frac{7}{4}}z^{\frac{7}{4}}}{z^{\frac{7}{4}}z^{\frac{7}{4}}} : \frac{z^{\frac{14}{4}}z^{\frac{7}{4}}z^{\frac{7}{4}}}{z^{\frac{7}{4}}z^{\frac{7}{4}}} = \frac{2^{\frac{14}{4}}z^{\frac{7}{4}}z^{\frac{7}{4}}}{z^{\frac{7}{4}}z^{\frac{7}{4}}} : \frac{z^{\frac{14}{4}}z^{\frac{7}{4}}z^{\frac{7}{4}}}{z^{\frac{7}{4}}z^{\frac{7}{4}}} : \frac{z^{\frac{14}{4}}z^{\frac{7}{4}}z^{\frac{7}{$$

i.
$$\left(\frac{a^{2}b^{-4}c^{1/2}}{c^{-3}d^{-2}}\right)^{-3}:\left(\frac{a^{4}b^{-3}}{c^{-2}d^{-2}}\right)^{-2} = \frac{b^{12}}{a^{6}c^{9}d^{6}}:\frac{b^{6}}{a^{8}c^{4}d^{4}} = \frac{b^{12}}{a^{6}c^{9}d^{6}}:\frac{a^{8}c^{4}d^{4}}{b^{6}} = \frac{a^{3}c^{4}d^{4}}{a^{6}c^{9}d^{6}} = \frac{a^{3}c^{4}d^{4}}{b^{6}} = \frac{a^{3}c^{4}d^{4}}{c^{5}d^{2}}$$

j.
$$\left(\frac{a^{-3}b^{-7}c^0}{c^{-5}b^{-11}c^{13}}\right)^{-4} : \left(\frac{a^2b^{-3}c^{-4}}{a^4b^7}\right)^{-2}$$

k.
$$\left[\frac{1}{(x+y)^{-3}}\right]^{-2}(x+y)^{-3} = \frac{1}{(x+y)^{6}} \cdot \frac{1}{(x+y)^{6}} \cdot \frac{1}{(x+y)^{6}} = \frac{1}{(x+y)^{6}} \cdot \frac{1}{(x+y)^{6}} = \frac{1}{(x+y)^{6}} \cdot \frac{1}{(x+y)^{6}} = \frac{1}{$$

I.
$$(a-b)^{-2}: \left(\frac{1}{a-b}\right)^2$$

3. Pre ktoré čísla $n \in Z$ je daný podiel rovný číslu 1?

ktoré čísla
$$n \in \mathbb{Z}$$
 je daný podiel rovný číslu 1?

a. $x^{3n-4}: x^{5n-6}$
 $x = 1$
 $x =$