



Zero Power: a nonzero number to the zero power is 1.

1. $(12x)^0 = 1$

2. $\frac{x^2 y^0}{x} = \frac{x^2 \cdot 1}{x} = \frac{x^2}{x} = x$

Please put your pencils down...

Negative Power: a^{-n} is the reciprocal of a^n

3. $4^{-5} = \frac{1}{4^5}$

4. $\frac{1}{4^{-3}} = \frac{4^3}{1}$

5. $\frac{3}{4^{-5}} = \frac{3 \cdot 4^5}{1}$

6. $5^{-x} = \frac{1}{5^x}$



Think. Pair. Share.

a) $\frac{2^{-4}}{x^{-7}} = \frac{2^4}{x^7}$

b) $3x^{-3} = \frac{3}{x^3}$

c) $\frac{2x^{-5}}{y^{-3}} = \frac{2y^3}{x^5}$

MAGNETS: Practice Makes Perfect!

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