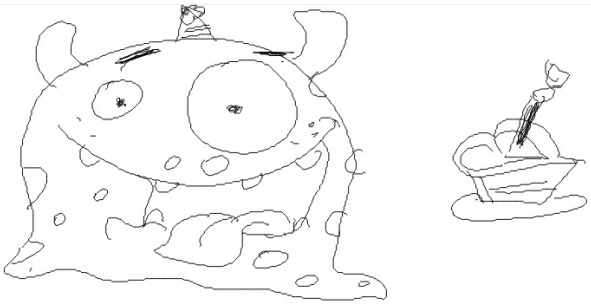


1. $r^{-2} * r^{-2} * r^{-4}$

2. $n^{-4} * n^{-4} * n^{-6}$

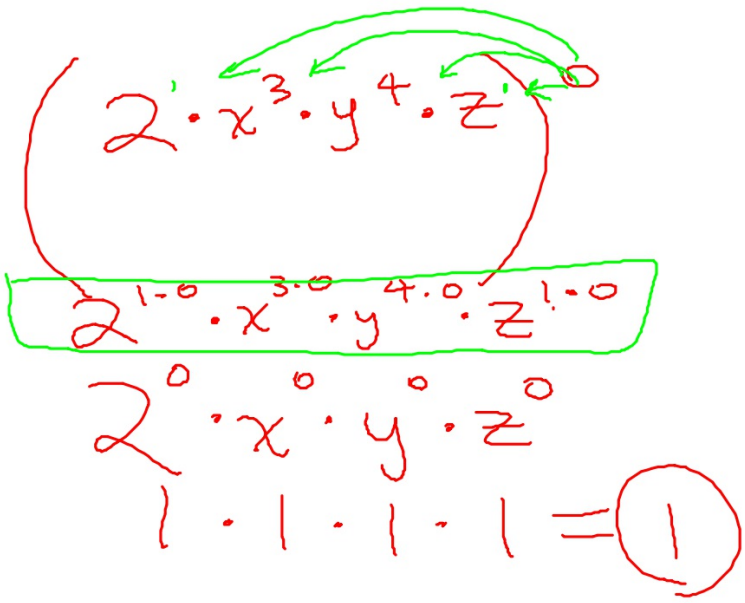
Product Rule

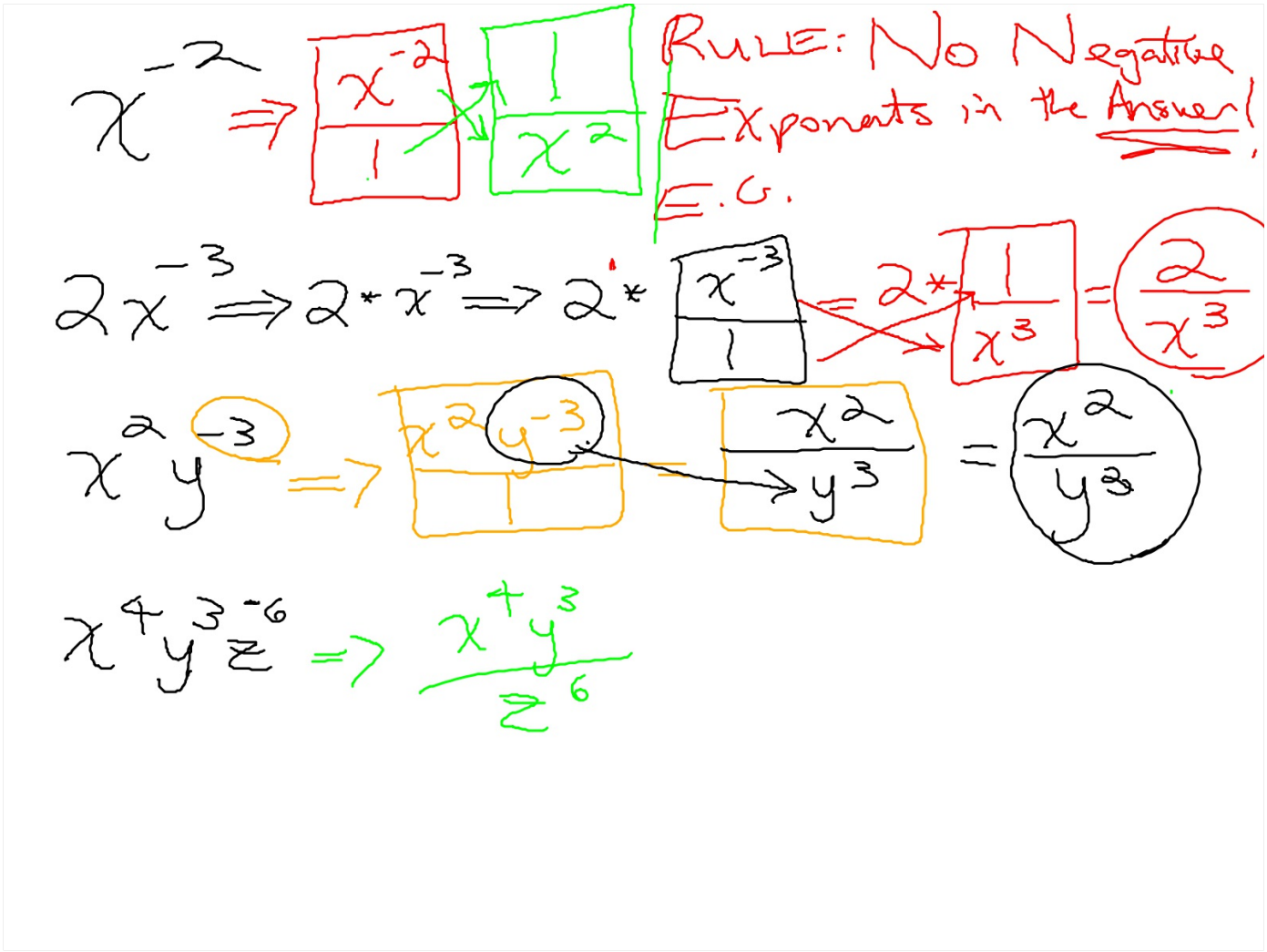
If
- Same base?
- Keep base
- Add Exponents

* Every Term Must have an Exponent!!

$x^4 \cdot x^2 \cdot x^3 \cdot x^1 = x^{4+2+3+1} = x^{10}$

$2 \cdot x^3 \cdot x^2 \cdot x = 2^1 \cdot x^3 \cdot x^2 \cdot x^1 = 2x^{3+2+1} = 2x^6$


$2^1 \cdot x^3 \cdot y^4 \cdot z^1$
$2^{1-0} \cdot x^{3-0} \cdot y^{4-0} \cdot z^{1-0}$
$2^0 \cdot x^0 \cdot y^0 \cdot z^0$
$1 \cdot 1 \cdot 1 \cdot 1 = 1$


$x^{-2} \Rightarrow \frac{x^{-2}}{1} \rightarrow \frac{1}{x^2}$
RULE: No Negative Exponents in the Answer!
E.G.
$2x^{-3} \Rightarrow 2 * x^{-3} \Rightarrow 2 * \frac{x^{-3}}{1} = 2 * \frac{1}{x^3} = \frac{2}{x^3}$
$x^2 y^{-3} \Rightarrow \frac{x^2 y^{-3}}{1} \rightarrow \frac{x^2}{y^3}$
$= \frac{x^2}{y^3}$
$x^4 y^3 z^{-6} \Rightarrow \frac{x^4 y^3}{z^6}$

Let Kamal $= K^3$, Crawford $= c^{-2}$

$K^3 \cdot c^{-2} = \frac{K^3}{c^2}$

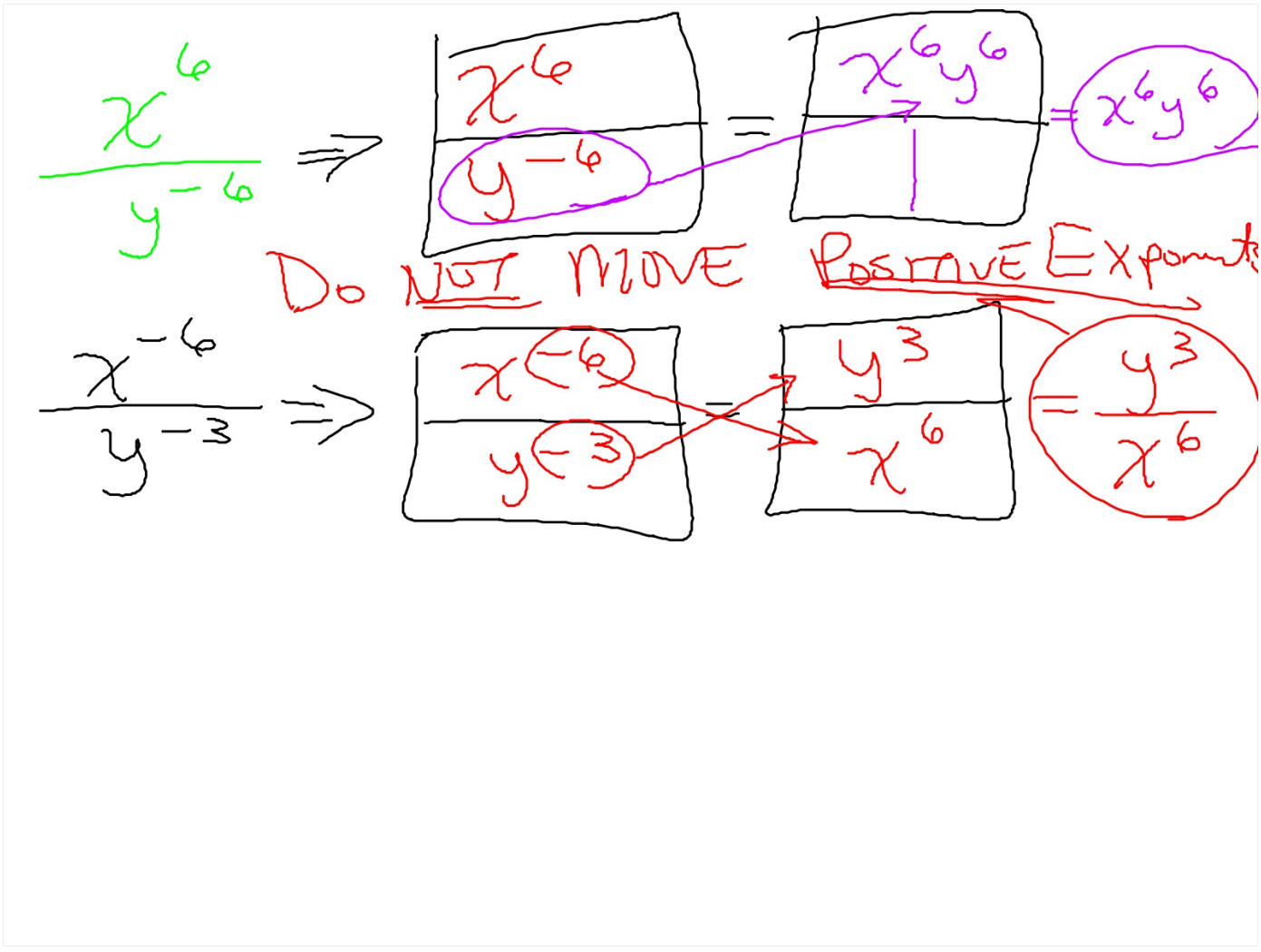
1) Where do they start? (what floor)

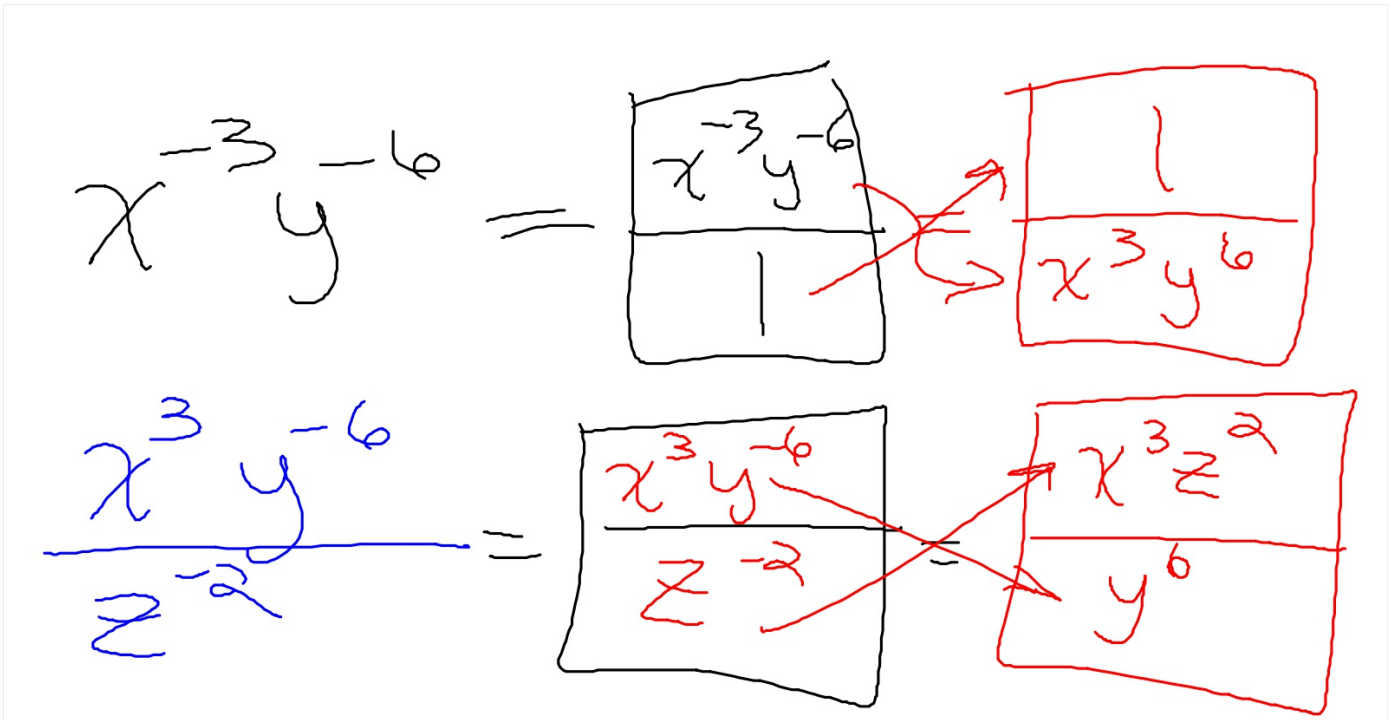
2) Does anyone have to move?

Top	$K^3 c^{-2}$
Button	1

$= K^3 \cdot 1 \cdot c^{-2}$

$= \frac{K^3}{c^2}$


$\frac{x^6}{y^{-6}}$
x^6
y^{-6}
x^6y^6
x^6y^6
Do NOT MOVE
Positive Exponents
$\frac{x^{-6}}{y^{-3}}$
x^{-6}
y^{-3}
y^3
x^6
$\frac{y^3}{x^6}$


$x^{-3}y^{-6}$
$x^{-3}y^{-6}$
1
1
x^3y^6
$\frac{x^3y^{-6}}{z^{-2}}$
x^3y^{-6}
z^{-2}
x^3z^2
y^6

$$\frac{x^4 y^2 z^{-4}}{x^2 y^{-4} z^2} = \frac{x^2 \cdot y^2 \cdot y^4}{z^4 \cdot z^2} = \frac{x^2 y^6}{z^6}$$

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

So....

$$x^2 \cdot y^{2+4} \cdot \frac{1}{z^{2+4}}$$