Bell Work:

1)
$$\times^4 \cdot \times^3 \times \times^{4+3} = \times^7$$

2)
$$5x^2$$
, $3x^7$ $5(3)(x^{2+7}) = 15x^9$

3)
$$3x^{2}y^{3}$$
, $9x^{-4}y^{3}$ $3(9)(x^{2+(-4)})(y^{3+3})$
 $27x^{-2}y^{6} = 27y^{6}$
 $-7x^{-2}y^{-2}$

Dividing Exponents

- divide in tegers (if possible)

- subtract exponents (if bases are the same)

1) $\frac{4^{5}}{4^{3}}$ 2) $\frac{5^{5}}{6^{8}}$ 3) $\frac{4 \times 10}{9 \times 10}$ 45-3

45-8=6-3

470-10

470-10

470-10

4)
$$\frac{10x^{7}}{2x^{3}}$$
 (5) $\frac{4x^{10}}{20x^{8}}$ (6) $\frac{3x^{7}}{21x^{5}}$
 $\frac{10}{3} = 5$ $\frac{4}{3} = \frac{1}{7}$ $\frac{3}{31} = \frac{1}{7}$ $\frac{3}{7^{-3}} = x^{4}$ $\frac{1x^{2}}{5} = x^{2}$ $\frac{1x^{2}}{7x^{2}} = \frac{1}{7}$ $\frac{1}{x^{2}} = \frac{1}{7}$