How do we operate with various exponents? $\frac{Do Now}{4a^3b^2}$ $= \sqrt{4a^3b^2}$ $= \sqrt{4a^3b^2}$ $= \sqrt{2ab^3}$ $= 2ab\sqrt{a}$

3)
$$\frac{3x^{-2}y^{3}}{5x^{1}y^{5}} = \frac{4}{5x^{2}}$$

$$\frac{x^{-2-1}y^{3-5}}{2x^{2}y^{2}} = \frac{x^{-3}y^{-2}}{2x^{2}y^{2}} = \frac{b^{2}}{5x^{2}}$$

$$= \frac{b^{2}}{2x^{2}y^{2}}$$

5)
$$\frac{12a^{3}b^{2}}{ab^{3}}$$

$$= \frac{12a^{3}}{ab^{3}b^{2}}$$

7)
$$(2a^{2}b)(3a^{2}b^{2})$$
 8) $(\frac{3}{ab})^{2} =$

$$= \frac{6 \cdot 1 \cdot b^{2}}{12 \cdot 0^{3}b^{-4}}$$

$$= \frac{6 \cdot 0^{7}}{2 \cdot 12 \cdot 0^{3}} = \frac{b^{7}}{2a^{3}}$$