

# M9 - 3.5 - Combo Exponents Laws HW

**Simplify**

$$\frac{2^3 \times 2^5}{2^2} =$$

$$\frac{4^8 \times 2^5}{32} =$$

$$\frac{8^3 \times 2^{10}}{256 \times 4^2} =$$

$$\frac{2^8 \times 2^{-3}}{16} =$$

$$\frac{8^{-1} \times 32^4}{64^{-2}} =$$

$$\frac{2^{-1} \times 16^{-4}}{128^{-2}} =$$

**Simplify**

$$\frac{(6x^5y^2)(5xy^3)}{(2x^4y^2)} =$$

$$\frac{(6x^5y^3)^{-3}(4x^2y^4)^3}{(2x^3y)^{-2}} =$$