**Rules of Exponent Quiz Review**

**Simplify.**

 **1.** ($n^{5}$)($ n^{2}$)($ r^{3}$)($ r^{4}$).

 **2.** $(3w^{2}r)^{2}( - 2w^{5}r^{2})^{3}$

 **3.** $\frac{m^{6}n^{3}}{m^{2}n^{6}}$

 **4.** $\frac{\left(z^{2}w^{-1}\right)^{3}}{\left(z^{3}w^{2}\right)^{2}}$

 **5.** Solve 2x = 128.

 **6.** $(3x^{6})(5x^{2})$

 **7.** $\frac{m^{7}n^{8}}{m^{5}n^{2}}$

 **8.** $(-2ab^{2})^{3}(a^{2})^{4}$

 **9.** $(x^{2})^{5}(x^{3})$

**10.** $\frac{2x^{3}y^{5}}{5\left(x^{4}y^{2}\right)^{3}}$

**11.** $\frac{-10m^{-1}y^{0}r}{-14m^{-7}y^{-3}r^{-4}}$