Name _____

     Date_____

Lesson 3: Numbers in Exponential Form Raised to a Power

Write each answer as a simplified expression that is equivalent to the given one.

1. $(9^3)^6 =$

2. $(113^2 \times 37 \times 51^4)^3 =$

3. Let x, y, z be numbers. $(x^2yz^4)^3 =$

4. Let x, y, z be numbers and let m, n, p, q be positive integers. $(x^m y^n z^p)^q =$

5. $\dfrac{4^8}{5^8} =$