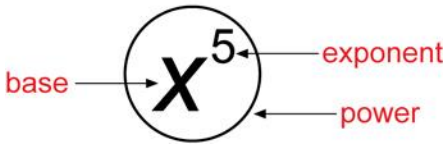
Are You Ready? Possible Answers

1. 

2. The number 3^4 means the base 3 is multiplied by itself a total of four times.

   $34 = 3 \times 3 \times 3 \times 3$

3.

Expression	Power of 2
$2^3 \times 2^4$	2^7
$2^{15} \div 2^{10}$	2^5
$2^3{}^2$	2^6

4. a. $4^3x^3 = 64x^3$

   b. $\frac{x^4}{3^4}$ or $\frac{x^4}{81}$

   c. 1

   d. $\frac{x^{10}x^9}{x^3{}^4} = \frac{x^{19}}{x^{12}}$ or x^7