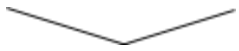

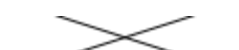



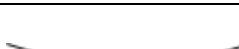
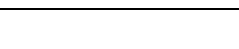

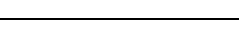


Name: \_\_\_\_\_

Exponents  
Worksheet 1

	Exponent Form	Base	Exponent	Expanded Form	Standard Form
1.	$10^2$				
2.				$2 \cdot 2 \cdot 2$	
3.		$\frac{1}{4}$	2		
4.	$15^1$				
5.				$1 \cdot 1 \cdot 1 \cdot 1$	
6.	$x^2$				
7.		$b$	3		
8.				$y \cdot y \cdot y \cdot y \cdot y \cdot y \cdot y$	
9.		$2x$	4		
10.				$5n \cdot 5n \cdot 5n$	
11.	$4(xy)^2$				
12.				$3 \cdot y \cdot y \cdot y \cdot y$	
13.		$2xyz$	3		
14.	$-2x^6$				
15.		$-4y$	2		

Exponents  
Worksheet 1

Name: \_\_\_\_\_

**Directions:** Complete the table below.

**Directions:** Complete the chart below.

		Expanded Form	Single Base and a Power
1.	$2^{10} \cdot 2^2$		
2.	$3^2 \cdot 3^4$		
3.	$5^3 \cdot 5^6$		
4.	$x^5 \cdot x$		
5.	$y^3 \cdot y^5$		
7.	$a^3 \cdot a^4$		
8.	$m^2 \cdot m$		
9.	$x^3 \cdot x^6 \cdot x^3 \cdot x^2$		
10.	$5y^3 \cdot y \cdot y^5$		
11.	$2b^3 \cdot 3b^{10}$		

12. Compare the 2<sup>nd</sup> and 4<sup>th</sup> columns in the table above. Describe, in words, what you notice about the relationship you see between them.