



Number Correct: \_\_\_\_\_

Improvement: \_\_\_\_\_

**Equivalent Expressions in Exponential Notation – Round 2**

**Directions:** Rewrite each item as an equivalent expression in exponential notation. All letters denote numbers.

1.	$5^2 \cdot 5^3 =$	
2.	$5^2 \cdot 5^4 =$	
3.	$5^2 \cdot 5^5 =$	
4.	$2^7 \cdot 2^1 =$	
5.	$2^8 \cdot 2^1 =$	
6.	$2^9 \cdot 2^1 =$	
7.	$3^6 \cdot 3^2 =$	
8.	$3^6 \cdot 3^3 =$	
9.	$3^6 \cdot 3^4 =$	
10.	$7^{15} \cdot 7 =$	
11.	$7^{16} \cdot 7 =$	
12.	$11^{12} \cdot 11^2 =$	
13.	$11^{12} \cdot 11^4 =$	
14.	$11^{12} \cdot 11^6 =$	
15.	$23^5 \cdot 23^2 =$	
16.	$23^6 \cdot 23^3 =$	
17.	$23^7 \cdot 23^4 =$	
18.	$13^7 \cdot 13^3 =$	
19.	$15^7 \cdot 15^3 =$	
20.	$17^7 \cdot 17^3 =$	
21.	$x^7 \cdot x^3 =$	
22.	$y^7 \cdot y^3 =$	

23.	$7^3 \cdot 7^2 =$	
24.	$7^2 \cdot 7^3 =$	
25.	$(-4)^3 \cdot (-4)^{11} =$	
26.	$(-4)^{11} \cdot (-4)^3 =$	
27.	$(0.2)^3 \cdot (0.2)^{11} =$	
28.	$(0.2)^{11} \cdot (0.2)^3 =$	
29.	$(-2)^9 \cdot (-2)^5 =$	
30.	$(-2.7)^5 \cdot (-2.7)^9 =$	
31.	$3.1^6 \cdot 3.1^6 =$	
32.	$57^6 \cdot 57^6 =$	
33.	$z^6 \cdot z^6 =$	
34.	$4 \cdot 2^9 =$	
35.	$4^2 \cdot 2^9 =$	
36.	$16 \cdot 2^9 =$	
37.	$16 \cdot 4^3 =$	
38.	$9 \cdot 3^5 =$	
39.	$3^5 \cdot 9 =$	
40.	$3^5 \cdot 27 =$	
41.	$5^7 \cdot 25 =$	
42.	$5^7 \cdot 125 =$	
43.	$2^{11} \cdot 4 =$	
44.	$2^{11} \cdot 16 =$	