

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

## Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	$(-2)^6$		
2)	$9^4$		
3)	$6^2$		
4)	$(-3)^3$		

B) Write the following numbers in exponential form.

S.No	Standard Form	Exponential Form
1)	2,400	
2)	512	
3)	-7,744	
4)	16,384	

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C) Write the following numerals in exponential form using prime factorization.

1)  $9 =$  \_\_\_\_\_

2)  $625 =$  \_\_\_\_\_

3)  $2,197 =$  \_\_\_\_\_

4)  $361 =$  \_\_\_\_\_

5)  $64 =$  \_\_\_\_\_

6)  $16,807 =$  \_\_\_\_\_

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

## Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	$(-2)^6$	$(-2) \cdot (-2) \cdot (-2) \cdot (-2) \cdot (-2) \cdot (-2)$	<b>64</b>
2)	$9^4$	$9 \cdot 9 \cdot 9 \cdot 9$	<b>6,561</b>
3)	$6^2$	$6 \cdot 6$	<b>36</b>
4)	$(-3)^3$		<b>-27</b>

B) Write the following numerals in exponential form.

S.No	Standard Form	Exponential Form
1)	2,401	$(-7)^4$
2)	512	$2^9$
3)	-7,776	$(-6)^5$
4)	16,384	$4^7$

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C) Write the following numerals in exponential form using prime factorization.

- |   |   |
|---|---|
| 1) $9 = \underline{\quad 3^2 \quad}$      | 2) $625 = \underline{\quad 5^4 \quad}$    |
| 3) $2,197 = \underline{\quad 13^3 \quad}$ | 4) $361 = \underline{\quad 19^2 \quad}$   |
| 5) $64 = \underline{\quad 2^6 \quad}$     | 6) $16,807 = \underline{\quad 7^5 \quad}$ |