Name : _____

Base and Exponent

A) Identify the base and exponent in each of the following.

1) 1^2

2) $\left(-\dfrac{8}{3}\right)^{-7}$

3) $\left(\dfrac{3}{2}\right)^{-1}$

Base = _____

Base = _____

Base = _____

Exponent = _____

Exponent = _____

Exponent = _____

4) $\left(-\dfrac{9}{4}\right)^9$

5) $(7.4)^3$

6) $(-18)^{-4}$

Base = _____

Base = _____

Exponent = _____

xponent = _____

B) Write the numerals in ... ponent.

S.No	Bas...		xponential Form
1)	4.9		
2)	$\dfrac{1}{9}$		
3)	$\dfrac{7}{6}$		
4)	$-\dfrac{5}{8}$		

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C) 1) Which of the following has −13 as the base?

i) 5^8

ii) $(1.3)^5$

iii) $(-9)^{-2}$

iv) $(-13)^0$

2) Which of the following has 6 as the exponent?

i) $\left(-\dfrac{4}{5}\right)^6$

ii) 19^{-7}

iii) $\left(\dfrac{2}{5}\right)^{-6}$

iv) $\left(\dfrac{8}{7}\right)^{-9}$

Base and Exponent

A) Identify the base and exponent in each of the following.

1) 1^2

Base = **1**

Exponent = **2**

2) $\left(-\frac{8}{3}\right)^{-7}$

Base = $-\dfrac{8}{3}$

Exponent = **−7**

3) $\left(\frac{3}{2}\right)^{-1}$

Base = $\dfrac{3}{2}$

Exponent = **−1**

4) $\left(-\frac{9}{4}\right)^9$

Base = $-\dfrac{9}{4}$

Exponent = **9**

5) $(7.4)^3$

6) $(-18)^{-4}$

Base = **−18**

Exponent = **−4**

B) Write the numerals in ~~exponent~~.

S.No	Bas...		Exponential Form
1)	4.9		$(4.9)^{-8}$
2)	$\frac{1}{9}$		$\left(\dfrac{1}{9}\right)^7$
3)	$\frac{7}{6}$		$\left(\dfrac{7}{6}\right)^4$
4)	$-\frac{5}{8}$		$\left(-\dfrac{5}{8}\right)^{-3}$

C) 1) Which of the following has −13 as the base?

i) 5^8 ii) $(1.3)^5$ iii) $(-9)^{-2}$ iv) ✓ $(-13)^0$

2) Which of the following has 6 as the exponent?

i) ✓ $\left(-\frac{4}{5}\right)^6$ ii) 19^{-7} iii) $\left(\frac{2}{5}\right)^{-6}$ iv) $\left(\frac{8}{7}\right)^{-9}$